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THE OBSERVATORIES' YEAR BOOK 1922

Comprising the results obtained from autographic records and eye observations at the observatories at Aberdeen, Eskdalemuir, Cahirciveen (Valencia Observatory), Richmond (Kew Observatory), and Benson.

In continuation of the former

BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK

PARTS III & IV

Published by the authority of the

METEOROLOGICAL COMMITTEE

LONDON:

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1925

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4. Marine Meteorology, Atlases and Memoirs.
5. Observations and Data for Stations generally in the United Kingdom.
6. Observations and Data for Colonial and Foreign Stations.
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1. The Meteorological Magazine.

Symons's Meteorological Magazine incorporated with the Meteorological Office Circular. Published monthly, first issue February, 1920. 6d. per issue. Postage ½d. Annual subscription 6s. 6d., post free.

2. Handbooks, Text-books, Tables. (8vo.)

The Observer's Handbook. Approved for the use of Meteorological Observers by the Meteorological Office and the Royal Meteorological Society. (No. 191.) (*Out of print. New edition in the press.*)

The Marine Observer's Handbook. (No. 218.) Third Edition, 1922. 5s. Postage 3½d.

Barometer Manual for the Use of Seamen. A Text-book of Marine Meteorology. (No. 61.) Tenth Edition, 1925. (*In the press.*)

The Seaman's Handbook of Meteorology. A companion to the Barometer Manual for the use of Seamen. (No. 215.) Third Edition, 1918. 3s. 6d. Postage 2½d.

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The Computer's Handbook (No. 223) :—

Introduction. C.G.S. Units of Measurement in Meteorology, with their Abbreviations and their Equivalents. Second Edition, 1921. 3s. 6d. Postage 1½d.

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Section V. Sub-section 3. Tables of Correlation Co-efficients from Meteorological Papers. 1919. 4s. Postage 2d.

(*Section I., Section II., sub-sections* 2, 3, 4, *and Section V., sub-sections* 1, 2, *are out of print.*)

Meteorological Corrections for the use of Gunners. By D. Brunt, M.A., and J. Durward, M.A. (No. 241, 1921) 3d. Postage 1d.

Forecast Code for the Abbreviation of Weather Forecasts transmitted by Telegraphy or Radiotelegraphy. (No. 244, 1922.) 1s. Postage 1½d.

A Short Course in Elementary Meteorology. By W. H. Pick, B.Sc. (No. 247, 1921.) 1s. 6d. Postage 2½d.

Hints to Meteorological Observers in Tropical Africa, with Instructions for taking Observations, and Notes on Methods of recording Lake Levels. Second Edition, revised, 1907. (No. 162.) 9d. Postage 1½d.

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Weather Forecasting in the Eastern North Atlantic and Home Waters for Seamen. By Commander L. A. Brooke-Smith, R.D., R.N.R. (No. 246. 1921.) 6d. Postage 1½d.

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Wireless :—

Particulars of Meteorological Reports issued by Wireless Telegraphy in Great Britain and by the Countries of Europe and North Africa. (No. 252, 1925.) 3s. 6d. Postage 2d. (Supplements priced separately.)

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Atmospheric Pollution :—

Annual Reports of the Advisory Committee for the Investigation of Atmospheric Pollution. (4to.) Commencing 1915. 1923–24. (No. 270.) 4s. Postage 2d.

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Report of the Council, with report by R. G. K. Lempfert, M.A. (No. 160. 1904.) (4to.) 2s. 6d. Postage 3d.

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Barometric Gradient and Wind-Force. Report by E. Gold, M.A. (No. 190, 1908.) (4to.) 2s. 6d. Postage 3d.

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Statistical Meteorology :—

Harmonic Analysis of Hourly Observations of Air Temperature and of Pressure at British Observatories. (No. 93. 1891.) (4to.) 12s.

The Trade Winds of the Atlantic Ocean.—By M. W. Campbell Hepworth, C.B., Commr. R.N.R., J. S. Dines, B.A., and E. Gold, M.A. (No. 203. 1910.) (4to.) 3s. Postage 4d.

Aeronautics :—

Report on Wind Structure. (8vo.) No. 4. 1912–13. 1s. 6d. Postage 3d.

From the Reports of the Advisory Committee for Aeronautics. [Numbers 1, 2 and 3 are out of print as separate copies.]

Geophysical Memoirs (4to.)—

Vol. II. :—

No. 14. Soundings with Pilot Balloons in the Isles of Scilly, November and December, 1911. By Capt. C. J. P. Cave and J. S. Dines, M.A. (No. 220*d*. 1920.) 1s. 6d. Postage 2d.

No. 15. The Climate and Weather of the Falkland Islands and South Georgia. By C. E. P. Brooks, M.Sc. (No. 220*e*. 1920.) 3s. 6d. Postage 3d.

No. 16. Aids to Forecasting : Types of Pressure Distribution, with Notes and Tables for the Fourteen Years 1905–18. By E. Gold, F.R.S. (No. 220*f*. 1920.) 2s. 6d. Postage 2d.

No. 17. Simultaneous Values of Magnetic Declination at Different British Stations. By C. Chree, Sc.D., LL.D., F.R.S. (No. 220*g*. 1921). 2s. Postage 1½d.

No. 18. Observations on Radiation from the Sky and an Attempt to determine the Atmospheric Constant of Radiation. By W. H. Dines, F.R.S. (No. 220*h*. 1921.) 1s. 3d. Postage 1½d.

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PREFACE.

Up to the end of 1921, the serial statistical publications of the Meteorological Office were grouped together as though they were parts of one comprehensive book. This book, which was entitled "The British Meteorological and Magnetic Year Book," consisted of :—

Part I	The Weekly Weather Report.
Part II	The Monthly Weather Report.
Part III, Section I	Daily Readings at Meteorological stations of the First and Second Orders.
Section II	Geophysical Journal, Daily Values of Meteorological and Geophysical Elements.
Part IV, Section I	Hourly Values from Autographic Records. Meteorological Section.
Section II	Hourly Values from Autographic Records. Geophysical Section.
Part V	Réseau Mondial.

While this scheme was based on sound principles, in practice it proved to have serious drawbacks, and it has been decided to bring the British Meteorological and Magnetic Year Book in its original form to an end with the issue containing data for the year 1921.

The data for the year 1922 and subsequent years will be found in the following publications, each of which will be issued either as a complete and independent volume or in parts which may be bound into annual volumes :—

New Publication from 1922.	Corresponding parts of the British Meteorological and Magnetic Year Book until the end of 1921.
The Weekly Weather Report	Part I.
The Monthly Weather Report	Part II.
The Observatories' Year Book	Part III, Section II. Part IV, Section I.* Part IV, Section II.
The Réseau Mondial	Part V.

It will be noticed that Part III, Section I, of the old publication is not included in the new issues. This part contained "Daily Readings at Meteorological Stations of the First and Second Orders," and it has been decided that as the new Observatories' Year Book will contain daily values of the meteorological elements for the principal first order stations and the Daily Weather Report contains daily values for 39 other stations, it is not necessary to revive the issue of this section which ceased with the data for 1921.

The present volume is the first of the Observatories' Year Book and the object is to collect into this publication all the observations made at the main meteorological and geophysical observatories attached to the British Meteorological Office. This volume contains data from Aberdeen, Eskdalemuir, Valencia and Kew, and in addition a section dealing with upper air observations made from Benson with registering balloons. It is hoped to include in future volumes data from the new geophysical observatory which was established at Lerwick in the Shetland Islands during 1921.

* Part IV, Section I—Hourly Values from Autographic Records, Meteorological Section, was discontinued after the data for 1913 had been published, and it is not proposed to continue it to the end of 1921 as is the case with the other sections.

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LIST OF OBSERVATORIES.

	Latitude.	Longitude.	G.M.T. of Local Mean Noon.	Height above M.S.L. in metres.
	° ′	° ′	h m	
Aberdeen	57 10 N.	2 6 W.	12 8	14·0
Eskdalemuir, Dumfries-shire	55 19 N.	3 12 W.	12 13	242·0
Valencia Observatory, Cahirciveen, Co. Kerry.	51 56 N.	10 15 W.	12 41	9·1
Kew Observatory, Richmond, Surrey ..	51 28 N.	0 19 W.	12 1	5·5
Benson, Oxfordshire	51 37 N.	1 7 W.	12 4	57

Notes.—(1) The height given is that of the site of the rain-gauge. The heights of other meteorological instruments are shown under the appropriate Tables.

(2) Values printed within brackets, ( ), in the following tables are obtained by interpolation.

(3) Daily Mean Values are computed as $1/24 \{\frac{1}{2} (0 + 24) + 1 + 2 + \ldots + 23\}$ where 0, 1, 2 . . . . 24 denote the tabulated values of the element for each of the hours of the day, 0 being the initial, and 24 the final midnight.

(4) The standard of time used throughout is Greenwich Mean Civil Time, except in the case of the element sunshine, for which Local Apparent Time is used.

(5) Maximum and Minimum Values are printed in heavy type.

GENERAL INTRODUCTION TO THE METEOROLOGICAL TABLES.

The elements dealt with in the following meteorological tables for the Observatories at Aberdeen, Eskdalemuir, Cahirciveen and Richmond are :—barometric pressure, air temperature, humidity, rainfall, sunshine, wind velocity and direction, minimum night temperature on the grass, cloud and weather, and in some cases temperature in the ground, solar radiation and level of underground water.

The positions of the Observatories and the heights of the sites are given on p. 8.

Notes on the Instruments and Tabulation of the Records.

A detailed description of the barograph, thermograph, cup anemometer and Beckley raingauge used for obtaining the records of pressure, temperature, humidity, wind speed and direction,* and rainfall is given in the *Reports* of the Meteorological Office for the years 1867 and 1869; for a description of other instruments in use reference may be made to the *Observer's Handbook* and to the article on Meteorological Instruments in the *Dictionary of Applied Physics*, Vol. III. The following notes are supplementary and are given partly for reference and partly as containing information necessary for the interpretation of the tables.

Barometer.—The record of barometric pressure is obtained photographically from a mercurial barometer.

A beam of light is passed through the space between the surface of the column of mercury and the top of the tube, and, after passing through a diaphragm which reduces the width of the beam of light to a very narrow sharp line, is focussed upon a sheet of sensitised paper (ordinary " bromide " paper is employed) carried upon a cylinder which is rotated by clockwork and makes one revolution in rather more than 48 hours.

The *barogram* is therefore a continuous photograph of this narrow vertical line, and appears as a horizontal ribbon, the depth of which is constantly varying with the rise or fall of the mercury in the tube of the barometer.

The expansion of a zinc rod is utilised to compensate for the effect of temperature upon the height of the barometric column ; the arrangement produces mechanically a lengthening of the beam of light at its upper end as it becomes shortened at its lower extremity by the expansion of the mercury in the tube. A time-scale is recorded upon the barogram by means of a shutter actuated by the clock. This shutter cuts off the light for the space of four minutes every two hours, thus producing interruptions which appear as narrow white spaces on the record corresponding with known points of time. Until 1918 these time-breaks occurred at the even hours, 2h, 4h, 6h, etc., but it was found that when the edge of the record was not critically sharp owing to various causes, a systematic error was introduced when measuring the records, whereby the values at the even hours were slightly in excess of those at the odd hours where no time-break existed. From 1918 onwards the clock was so arranged that the time-breaks should occur half an hour before the even hours ; by this means both even and odd hour-values are measured at points on the trace which are unaffected by any systematic difference.

Control readings of a standard barometer are taken three times a day by different observers so that any personal equation is probably eliminated. The control readings are first corrected for index error, temperature and gravity, and then compared with the corresponding readings of the barogram. The differences between the control readings and the corresponding tabulated values are then found and the mean

* At Eskdalemuir wind speed and direction are recorded by a Dines' tube anemograph (see p. 73).

correction derived therefrom is applied to all the tabulated values. This correction, known as the "residual correction," is so applied as to run smoothly throughout the whole length of each record—a period of 48 hours—and alterations in the amount of the correction occur, where necessary, in steps not exceeding 0·1 millibar.

The scale value of the barograms is found from a comparison of a series of such standard and curve readings. The indications of a curve are converted into numerical values by measuring the ordinates with a tabulating instrument, graduated according to the ascertained scale value.

Thermometers.—The air temperature data at each Observatory are derived from records obtained photographically from two mercurial thermometers. One thermometer is used as a dry-bulb and the other as a wet-bulb thermometer.

Each thermometer has a large cylindrical bulb four inches long and a very long stem. The latter is bent twice at right angles to enable the bulb to be exposed outside the building in a louvred screen attached to the north wall of the Observatory.* The column of mercury in the vertical portion of the stem inside the building is broken at a convenient point by a small air space which moves up or down the stem with rise or fall of temperature. The record is obtained by passing a reflected beam of light through the air space and photographing its image upon a moving sheet of "bromide" paper in the same manner as described in the case of the barometer. The time scale is likewise automatically recorded upon the curves as in the case of the barometer and the time-breaks occur at the half-hour before the even hours.

Two large standard thermometers with very open scales graduated in degrees absolute and having bulbs similar to those of the thermograph are mounted in the screen side by side and close to the thermograph bulbs. Control readings of these thermometers are made three times a day for comparison with the corresponding readings obtained from the thermograms.

The scale value of the curves is found by a comparison of the readings of the standard thermometers, corrected for any errors they may have, with the corresponding measurements of the curves. The curves are measured by means of a plate of glass ruled with lines corresponding with the ascertained scale-value of the record, both for degrees and for time. The scale is graduated so as to read degrees vertically and hours horizontally. This plate is laid upon the record, and adjusted so that the readings at the control-hours on the trace are made to show perfect or close general agreement with the corresponding eye-readings of the standard thermometers, the upper edge of the curve being measured in all cases. The temperature equivalent of any part of the curve can then be at once read off. This procedure amounts to giving each curve its own particular base-line, but in addition each curve has already photographed upon it a base-line, produced by the reflected beam of light passing through a small aperture in the brass frame which holds the recording thermometer. This affords a useful and reliable check upon the placing of the glass plate. The differences between the accepted value of the base-line and its value for each individual curve thus form residual corrections which are automatically applied to the curve readings.

Rainfall.—This element is recorded by a Beckley self-registering raingauge, in which the rain as it falls is collected in a receiver supported on a float in a vessel of mercury. As the rain passes into the receiver, the float gradually sinks, carrying with it a pen which records its position upon a paper stretched upon a clock-driven cylinder. The displacement of the mercury by the float is arranged so as to give an uniform scale throughout. When five millimetres (two-tenths of an inch) of rain have entered the receiver a siphon comes into action, and, by discharging its contents, causes the float to rise again till the pen is brought back to the zero line, from which the record begins again.

* At Eskdalemuir the screen stands in the open (see p. 72).

The collecting funnel of the Beckley raingauge has an area of approximately 100 square inches. Each gauge stands on level ground and its distance from every other object is greater than twice the height of the object. A check gauge with funnel 8 inches in diameter is installed near by.

The records obtained from the Beckley self-registering raingauge are subjected to a proportional correction whereby they are brought into agreement with the amount of rainfall as recorded by the check raingauge read twice daily.

Sunshine.—The record of sunshine is obtained from a Campbell-Stokes recorder, in which instrument the sun's rays are focussed through a 4-inch spherical lens of crown glass upon a strip of blue card, which is scorched, or burned right through, according to the intensity of the sun's rays. Three different patterns of card are used at different seasons of the year. The cards are exposed in a metal bowl, and the focussed image of the sun leaves its mark behind it as it travels along the surface of the card with the apparent motion of the sun through the heavens. The intensity of the burn is not measured, but the record is regarded as that of " bright " sunshine whenever the card has been distinctly scorched. In the case of intermittent burns, an allowance is made for the extension of the trace by the charring of the card.

Wind Speed and Direction.—Except at Eskdalemuir, the records of these elements are obtained by means of a Robinson cup-anemograph, with which a Beckley windmill-vane has been combined for giving the record of direction.

Speed.—The diameter of the cups for obtaining the speed of the wind is 9 inches (0·23 m.) and the length of the arms upon which they are carried is 2 feet (0·61 m.) so that the horizontal travel of a cup-centre when 7,000 revolutions of the cups have been made is, in round numbers, 88,000 feet (26,800 m.).

The revolutions of the cups are reduced by a suitable gearing of wheels so that this number of turns shall produce one complete turn of a spiral pencil, which makes a mark upon a sheet of metallic paper carried upon a clock-driven cylinder ; the pencil is so arranged that when the trace passes one extreme of the scale it recommences at the other.

Dr. Robinson concluded, as the result of a series of experiments made by him, that the rate of movement of the cup-centres was one-third of the horizontal movement of the wind current by which the cups were turned ; and as the instruments were constructed in accordance with this conclusion, the 7,000 turns of the cups mentioned above were regarded as indicating the passage of 50 miles (80·4 km.) of wind.

More recent investigations into the relation between the speed of the wind and the rate of movement of the cups have led to the conclusion that Dr. Robinson's factor, 3, is too large for anemometers of the dimensions indicated above, and that the correct mean value of the factor is 2·2. The larger factor 3, was employed in deducing the wind velocities published in the preceding volumes of this series up to that for 1904 ; the factor 2·2 was substituted for it from the beginning of the year 1905.

If it is desired to compare the wind speeds given in the volumes previous to 1905 with those of the present year it will be necessary to reduce the former by four-fifteenths, and convert into metres per second, which may readily be done by means of a suitable conversion table. (See *Computer's Handbook.* Introduction p. 54.) If the degree of accuracy required does not exceed 2 per cent., the tabulated values in miles per hour (factor 3) may be converted into metres per second (factor 2·2) simply by dividing by " 3."

The values of the hourly wind velocity are means for periods of 60 minutes centered at the hours named. They have been given as recorded, no correction having been made for the effect of friction, which is of no importance except in the case of light winds, when it is doubtless different in the case of each instrument.

Direction.—The direction of the wind is recorded by a pencil similar to that which records the velocity. Each printed value represents the general direction* for the 60 minutes centered at the hour named, as estimated from the anemogram.

Owing to the weight of some of its moving parts, the windmill-vane is undoubtedly sluggish in light airs, its records under these conditions being untrustworthy. All wind directions have, therefore, been omitted from the tables when the velocity was 1·5 metres per second or less.

Tube anemograph.—At Eskdalemuir the speed and direction of the wind are obtained from a Dines' Tube Anemograph, while at each of the observatories, except Aberdeen, information regarding the highest instantaneous wind speed and the frequencies of winds of varying speeds is also obtained from instruments of this type.

The vane-head of the tube anemograph consists essentially of (*a*) a horizontal tube mounted in the vane and open at the end which faces the wind, and (*b*) a vertical annular tube, forming part of the vane support, connected to the outside air by means of small circular holes drilled symmetrically in rows around the outer wall of the tube. An increase of pressure is produced in the horizontal tube of the vane, while the wind blowing across the rows of circular holes in the annular tube gives rise therein to a diminution in pressure, the " suction " effect. In the recorder a float of sheet copper, placed in water contained in a cylindrical tank, is capable of upward and downward movement under the influence of the pressure and suction effects, which are communicated from the vane-head by suitable piping to the space inside and the space above the float respectively. The geometrical form of the internal surface of the float is such that displacement of the float from its zero position is proportional to the speed of the wind. To the float is attached a vertical spindle which projects upwards through the lid of the cylindrical tank and carries a suitable pen at its upper extremity. This pen records the movements of the float, and therefore the variations in wind speed, on a ruled chart carried by a drum which rotates once in 24 hours.

Minimum Night Temperature on the Grass.—For determining this temperature a minimum thermometer exposed freely over the surface of the grass is used. The thermometer is enclosed in an outer glass jacket which surrounds its stem, but leaves the spirit bulb freely exposed to the air. The thermometer is supported on two small Y-shaped pieces of wood so that it lies horizontally, with its bulb about one or two inches above the ground which is covered with short grass. When snow has fallen the thermometer is supported so as to lie just above the surface of the fallen snow, but not touching it.

The thermometer is laid out at 18h each day, having been kept in an upright position, bulb downwards, inside the Stevenson Screen during the daytime so that any spirit that may have condensed in the upper part of the stem may be able to run down and join the main spirit column.

NOTES ON THE TABLES.

Standard of Time.—The observations are referred to *Greenwich Mean Time* except as regards sunshine, for which element *local apparent time* is used.

Units.—In accordance with the practice introduced in 1911, as a consequence of certain resolutions of the Gassiot Committee of the Royal Society, the values in the tables are expressed throughout in units based upon the C.G.S. System : tables for conversion to other units are given in the *British Meteorological and Magnetic Year Book* (*Part IV*) for 1913 and are also to be found in the *Computer's Handbook.*

* Formerly it was the practice to take the direction at the exact hour. The present rule was adopted as from 1st May, 1915 (see also Introduction to *Hourly Values from Autographic Records*, 1913, p. xv).

Daily Mean Values.—The daily means of pressure, temperature, relative humidity and wind speed are obtained by adding half the sum of the values for the initial and final midnights to the sum of the 23 intermediate hourly values and dividing by 24.

In the preparation of the tables of diurnal inequalities for individual months and for the year, it is assumed that the difference of value between the means for the initial and final midnights, which may be termed, so far as the hourly variations are concerned, the non-cyclic variation, is equally distributed over the whole 24-hour period. Thus, in a table of diurnal inequalities the entry d_n for the hour n is given by

$$d_n = x_n - x - (n - 12)\ (x_{24} - x_0)/24.$$

x_n being the value of the element at hour n and $\bar{x}$ the mean for 24 hours.

Atmospheric Pressure.—All pressures recorded in this volume are expressed in *millibars*, one millibar being equal to 1000 dynes per square centimetre. The following are the values of physical constants used in evaluating the data :—

Density of Mercury = 13·5955 grams per cc. at 0°C.
Intensity of Gravity at Sea Level (Lat. 45°) = 980·617 grams per second per second.
1 inch = 25·4000 millimetres.

Hence 1000 millibars corresponds with a reading of 750·076 millimetres, on a mercury barometer at temperature 0°C. in Lat. 45°, or 29·5306 inches under standard conditions of temperature (mercury at freezing point, scale at 62°F.) in Lat. 45°.

As a millibar is a pressure, it can only be obtained from the reading of a barometer after the latter has been suitably corrected for

(*a*) index error,
(*b*) temperature,
(*c*) gravity.

All these corrections have therefore been applied to the barometer readings in obtaining the pressure values published in this volume. The corrections for temperature and latitude have been obtained from the *International Meteorological Tables*. (Gauthier-Villars, Paris).

Unless otherwise stated all pressure values refer to the level of the observatory as given in the headings of the tables. The reduction to Mean Sea Level, if made, has been calculated from tables prepared for each observatory from those given in the *International Meteorological Tables*.

The tables contain values of pressure at exact hours obtained from the photographic barograms in the manner described on p. 9 ; also daily, monthly and annual means of hourly values, together with the monthly and annual means of diurnal inequalities. Monthly and annual means of the hourly values after reduction to mean sea level are also given.

There is also a table showing the daily extremes of pressure, i.e. the maximum and minimum values recorded during each day.

Temperature.—The values are expressed in degrees absolute (a), on a scale closely approximating to the Kelvin scale. The value of a degree is the same as that on the centigrade scale and the zero is taken to be at a point 273°.0C. below the normal freezing point of water, i.e. at a temperature of −273°.0C.

The tables give the values of temperature at exact hours obtained from the photographic thermograms ; also daily, monthly and annual means of hourly values, together with the monthly and annual means of diurnal inequalities. There is also a table showing the daily extremes of temperature.

Humidity.—Values of relative humidity at exact hours are deduced from the corresponding values of dry and wet-bulb temperature obtained from the photographic thermograms, complete saturation being taken as 100. The tables employed in effecting the reductions appear in the *Computer's Handbook* (Section I). These tables are based on Glaisher's factors and make no allowance for the effect of the wind.

When the wet-bulb reading does not exceed 273a, the above method of reduction is not followed, but values of relative humidity are derived from the record of the hair hygrograph. To these values are applied appropriate corrections based on a comparison between the readings of the record of that instrument and the corresponding values of humidity computed from dry and wet-bulb readings during neighbouring periods when the wet-bulb readings exceed 273a.

Tables are printed giving the values of relative humidity at exact hours together with daily, monthly and annual means of hourly values. Means of vapour pressure computed from the corresponding mean values of temperature and relative humidity, together with monthly and annual means of diurnal inequalities of relative humidity, are also given.

Rainfall.—Tables are given showing for the 60 minute intervals between exact hours* the amount of precipitation, expressed in millimetres, received and recorded by the Beckley gauge. Totals of amount are given for each day, and for each month ; the latter totals referring both to the complete days of the month, and to each of the hours of the day. When zero rainfall is assigned to a particular hour, the entry appears as ". . .". Corresponding totals of duration of rainfall are also given, the duration being regarded as the number of hours during which rain falls at a rate of not less than 0·1 millimetre per hour. When it is impossible to determine the hourly amounts of precipitation, e.g. during snowfall or on occasions when the record has failed, the normal procedure is to consider each case on its merits, and to assign hourly values derived from estimates made by the observers as soon as possible after the event. Such values are enclosed in brackets. As the procedure outlined above was not in operation at all the observatories in 1922, it has been impossible to adopt it in all cases. On these occasions no entries are made in the hourly columns, but the amounts are included in the daily totals of precipitation. In such cases, too, it is generally not possible to assign a sufficiently accurate value to the duration of precipitation.

Annual totals of hourly amounts and duration and notes on special features of the rainfall of the year are also given.

Sunshine.—Tables are given showing for each of the 60-minute intervals between exact hours† according to *local apparent time*, from sunrise to sunset, the duration of bright sunshine recorded by the Campbell-Stokes instrument. The sums and means of hourly amounts are also given. For each day is shown the total duration of bright sunshine, and also the percentage this represents of the " possible " duration for the day. The " possible " for each day is computed as the period of time beginning and ending at the instants when the centre of the sun is apparently on the horizon, due allowance being made for atmospheric refraction. Even on a clear day the sun, when at an altitude less than $2\frac{1}{2}°$ to 3° above the horizon, fails to make a scorch on the card of the Campbell-Stokes recorder.

A distinction is made in the tables between (*a*) sunshine not possible, and (*b*) sunshine possible but none recorded. If, in any hour, sunshine is not possible, the symbol "—" is used ; if more than 3 minutes of " possible " sunshine falls in the 60-minute interval between exact hours according to local apparent time, the symbol ". . ." is printed to indicate no sunshine.

Wind.—Tables are printed giving the hourly values of wind speed and direction, together with the mean speed for each day, each hour and for the month. Values of speed are expressed in metres per second (1 metre per second = 2·2369 miles per hour) : those of direction are given in degrees from true north. The values of direction and speed are averages for periods of sixty minutes, centered at the exact hours of Greenwich Mean Time.

* For the years 1904 to 1920 it was the practice to tabulate rainfall for the period of 60 minutes centered at the exact hours; the reversion to the method in use for 1903 *et ante* occurred on 1st January, 1921.

† Previous to 1st January, 1921, sunshine was tabulated for the period of 60 minutes centered at exact hours.

For speeds not exceeding 1·5 m/s the wind directions were regarded as indeterminate and have been omitted.

The daily values of the speed and time of occurrence of the maximum gust and the monthly distribution of wind derived from records from Tube Anemographs are shown in other tables.*

Minimum Night Temperature on the Grass.—Values are given for each day of the year together with monthly mean values. The interval to which the reading refers is given at the top of the table. The reading is entered to the day of observation.

Diary of Cloud and Weather.—Tables are printed giving particulars of observations at 7h, 9h, 13h, 15h, 18h, 21h daily, of the type and amount of cloud and of the weather. The types of cloud are in accordance with the International classification and are indicated by the following abbreviations :—

Cirrus	Ci.
Cirro-Stratus	Ci-St.
Cirro-Cumulus	Ci-Cu.
Alto-Cumulus	A-Cu.
Alto-Stratus	A-St.
Strato-Cumulus	St-Cu.
Nimbus	Nb.
Cumulus	Cu.
Cumulo-Nimbus	Cu-Nb.
Stratus	St.
Stratus-cumuliformis	St-Cuf.
Fracto- (prefix, as in fracto-stratus)	Fr.-
-lenticularis (suffix, as in stratus lenticularis) ..	-lent.
Mammato-cumulus..	M.-Cu.

The figure given for the amount of cloud denotes the proportion of sky covered by cloud : the numerical scale running from 0, cloudless, to 10, completely overcast. When several types of cloud are observed the name of the predominant type only is entered. The amounts of cloud given indicate, however, the total cloudiness irrespective of type. In the case of fog through which it is impossible to discern the sun or stars the cloud amount is entered as 10, but if cloud can be seen through the fog the type and amount are entered in the usual way. If the sun or stars are visible through fog and if there is no evidence of cloud above the fog the amount is entered as 0.

For the purposes of the summary of the weather for each day, contained in the " Remarks " column, it is usual to consider the day as divided into three portions, viz., morning, afternoon and night, denoted by *a*, *p*, *n*, respectively, but it should be noted that no arrangements are made for regular eye observation of weather changes in the period 21h 30m to 6h 30m.

In the " Remarks " and " Weather " columns the entries consist very largely of International weather symbols and the letters of the Beaufort scale. These symbols and letters are as follows :—

Beaufort Notation and International Weather Symbols.

b		blue sky. (Cloud amount 0, 1, 2, 3.)
bc		some cloud. (Cloud amount 4, 5, 6.)
c		cloudy. (Cloud amount 7, 8.)
o		overcast. (Cloud amount 9, 10.)
g		gloomy, dull appearance.
u		ugly, threatening appearance.
v	()	visibility, unusually clear atmosphere.
z	∞	haze.
m	≡°	mist, light fog.

* Aberdeen not included.

f	≡	fog.
fe	≡⁝	wet fog, i.e. fog which deposits water copiously on exposed surfaces.
w	⌓	dew.
x	⊔	hoar frost.
	←	ice crystals in the air.
	V	rime.
	~	glazed frost.
e		water deposited copiously on exposed surfaces, without rain falling.
y		dry air. (Relative humidity less than 60 per cent.).
p		passing showers.
d		drizzling rain.
r	●	rain.
s	✳	snow.
rs	✱	sleet.
	⁺	drift snow.
	⊠	snow lying. (More than half the surrounding country covered with snow.)
h	▲	hail.
	△	soft hail.
t	T	thunder.
l	<	lightning.
tlr	⌈	thunderstorm.
	⌣	gale.
q		squalls.
	⦶	solar corona.
	⊕	solar halo.
	⋓	lunar corona.
	⊞	lunar halo.
	⌒	rainbow.
	⌶	aurora.
	⌓	zodiacal light.
	⌯	mirage.

The figure ^{0} attached to a symbol indicates very slight, whilst the figure ^{2} indicates strong or heavy: thus $●^0$ slight rain, $●^2$ heavy rain. The gale symbol ⌣ is normally used in this publication to indicate that the wind as recorded by the anemometer averaged at least 17·2 *m/s* for one or more "centred" hours. At Richmond (Kew Observatory) the symbol has been used with the word gust in brackets to indicate the occurrence of gusts reaching 17·2 *m/s*.

M.O. 259
(Section I.)

Air Ministry
METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1922

Comprising the results obtained from autographic records and eye observations at the observatories at Aberdeen, Eskdalemuir, Cahirciveen (Valencia Observatory), Richmond (Kew Observatory), and Benson.

SECTION I.—ABERDEEN

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SECTION I.

ABERDEEN OBSERVATORY.

Latitude	57° 10 ′ N.
Longitude	2° 6 ′ W.
G.M.T. of Local Mean Noon	12h. 8m.

Heights in metres above Sea-Level.

Barometer	26·8
Rain-gauge	14·0
Robinson Cup Anemograph	37

Heights in metres above ground.

Thermometer Bulbs, North Wall Screen ..	12·5
Sunshine Recorder	20·7
Robinson Cup Anemograph	23

INTRODUCTION.

SITE.

The Observatory which was established in 1868 is on the north side of King's College in Old Aberdeen. The College lies on a plain gradually rising from the sea from which it is distant about 1 mile. There are no serious irregularities of surface in the vicinity excepting the two river valleys of the Don and the Dee. To the north, at a distance of about 1 km. the Don flows eastwards to the sea ; the Dee flows into the sea at a distance of about 3 km. to the south-east of the College. Between the college and the sea is a golf course covered for the most part with grass. Westwards is the High Street of the Old Town and beyond this there is another street. Further west grass pasture extends for about one kilometre. Southward are some open spaces beyond which the modern town is reached. The enclosure in which the Stevenson screen, the Beckley and check rain-gauges and the grass minimum thermometer are exposed, lies to the north-east of the Observatory at a distance of about 50 metres. The "North-wall" screen in which the recording thermometers are exposed is erected on the wall outside the north window of the uppermost story of the observatory. The nature of the soil and sub-soil is loam and sand. A photograph of the observatory, showing the North-wall screen and the cup anemograph, is reproduced, see Fig. 1.

METEOROLOGY.

The elements dealt with in the following tables are :—Atmospheric pressure, air temperature, humidity, rainfall, sunshine, wind speed and direction, earth temperature and minimum temperature on the grass, together with a diary of cloud and weather.

The instruments from which values of the above elements have been obtained and the method of tabulating the records are described in the General Introduction to this volume. The following additional information refers especially to Aberdeen.

(15931) Wt. 13586/10451/P.F.1350/588 125 9/25 Harrow G.69/13 C 2

Pressure and Temperature.—The barograph, standard Kew barometer and thermograph are housed in the upper-most story of the Observatory (see Fig. 1). The scale value of the barogram is 1·578 : 1. The pressure scale value of the barogram is 1 mm. on the paper=0·85 mb., when the paper is at normal atmospheric humidity. In similar circumstances the time scale is 9·3 mm.=1 hour.

The recording thermometers are placed in the North-wall screen already referred to. The heights of the barometer cisterns and of the bulbs of the thermometers are given at the top of the appropriate tables.

Rainfall.—The area of the Beckley rain-gauge is 101·1 square inches (653 cm².). The procedure adopted in tabulating the records is similar to that described in the General Introduction and calls for no comment.

Humidity.—On those occasions when the temperature of the wet bulb has been 273a or under, the relative humidity has been obtained from the records of a hair hygrograph. This instrument is accommodated in a small louvred screen which rests on top of the Stevenson screen and is securely fixed to it. The hygrograph is 11·6 metres below the level of the thermograph bulbs in the North-wall screen.

Sunshine.—The sunshine recorder is exposed on the small circular tower on the Observatory roof on which the Robinson Cup Anemometer is erected. It is rigidly held by lead flaps soldered to the lead roof. The exposure is excellent, the only obstruction is a flagpole to the east, of angular diameter about 1°, which may obstruct 0·1 hr. record about 7h between April and September. The "possible" duration of sunshine has been computed from the mean solar declination for the four years 1849, 1850, 1851, and 1852.

Wind Speed and Direction.—The Robinson cup anemograph is erected on the top of a small cylindrical tower which rises about fifteen feet above the main square tower and about five feet above a smaller tower at the south-west corner of the main tower. The height of the cups above this smaller square tower (which may for the purpose be regarded as the "roof" of the building) is about 4 metres. Owing to the surrounding buildings the exposure of the instrument is a very gusty one, particularly towards south and west.

Temperature in the Ground.—This is recorded by a thermometer which is kept at a depth of 124 cm. (four feet). At Aberdeen the thermometer is carried in a slot near the end of a long bar of wood, about three inches (7·5 cm.) square in section. This bar fits closely into a wooden sleeve, sunk vertically into the earth, so that the bulb of the thermometer is at the required depth. The thermometer itself is enclosed in a glass tube, and its bulb is embedded in paraffin wax so as to render the thermometer insensible to sudden changes of temperature. This allows of its being drawn to the surface and read before the temperature of the bulb has time to change appreciably. As underground temperature changes very slowly, the loss of sensitiveness, resulting from the coating of wax, does not lead to inaccuracies in the determination of the temperature of the earth. The thermometer is read at 9h each morning.

Minimum Temperature on the Grass.—The grass minimum thermometer is exposed in the enclosure on two wooden pegs about 4 cm. above grass. It is set at 18h and read at 7h, the reading being entered to the day of observation.

FIG. 1.

ABERDEEN.—THE OBSERVATORY TOWER.

[*To face p.* 18

Readings in millibars at exact hours, Greenwich Mean Time.

1. Aberdeen : H_b (height of barometer cistern above M.S.L.) = 26·8 metres. **January, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	001·2	998·9	997·9	996·6	996·0	995·0	994·4	994·3	993·9	993·8	993·5	993·2	992·4	991·7	991·4	992·1	992·9	993·5	993·5	993·2	991·5	990·7	990·0	989·1	994·1
2	988·4	988·0	987·9	988·1	988·9	989·8	990·9	992·3	993·1	994·5	995·1	995·8	996·1	997·0	997·4	998·4	999·3	000·4	001·2	001·7	001·8	002·6	002·2	002·5	995·3
3	002·4	002·6	002·6	002·4	001·6	002·0	001·6	001·7	002·1	001·9	002·6	002·4	002·4	002·3	002·8	003·2	003·5	004·2	004·5	005·3	006·2	007·3	007·8	008·3	003·4
4	008·9	009·3	009·2	009·2	009·1	009·5	009·6	010·0	010·1	010·5	010·1	009·9	009·5	009·8	010·2	010·5	010·9	011·9	012·2	012·6	013·3	013·7	013·5	013·4	010·6
5	013·3	013·6	013·5	013·9	014·1	014·0	014·4	014·3	014·5	014·8	005·1	014·4	014·0	013·6	013·2	012·8	012·6	011·0	011·8	011·4	011·5	010·8	010·5	009·8	013·1
6	009·2	008·8	008·2	008·0	007·6	007·2	007·3	007·1	007·2	007·1	007·1	006·4	005·8	005·3	005·1	004·8	004·3	004·2	003·6	003·6	003·1	002·8	002·2	001·5	005·9
7	000·8	000·6	000·2	000·3	000·5	000·6	000·8	001·4	001·9	002·1	002·5	002·3	002·1	002·0	001·9	001·7	001·6	001·4	000·8	000·1	999·5	998·5	997·7	996·4	000·8
8	994·6	993·3	991·2	990·2	988·3	987·2	986·9	987·5	988·1	989·3	990·1	990·9	992·4	993·0	994·0	995·1	995·8	996·5	997·3	997·8	998·5	998·7	999·1	999·4	993·1
9	999·1	998·8	998·7	998·4	997·6	996·4	995·3	994·7	993·2	991·2	991·0	990·2	989·1	989·3	990·0	990·9	991·9	992·8	994·1	995·0	995·9	997·8	998·9	999·9	994·6
10	000·6	001·5	002·4	003·0	003·3	003·8	003·7	004·1	004·7	005·5	005·5	005·7	006·4	006·6	006·7	007·4	007·8	008·4	008·8	009·9	010·2	010·5	011·0	011·1	006·0
11	011·0	010·9	010·9	010·6	010·2	009·8	009·7	009·8	010·3	010·3	010·1	010·4	010·5	011·3	012·9	014·5	015·6	016·8	017·9	019·5	021·0	021·7	022·6	023·1	013·6
12	023·7	024·7	025·1	025·2	025·7	026·3	026·4	026·6	026·8	026·7	026·6	026·6	025·9	024·9	024·2	023·8	023·4	023·1	022·5	022·1	021·8	021·3	020·5	020·0	**024·4**
13	019·4	018·7	018·3	017·7	017·1	016·5	016·3	016·2	016·0	015·8	015·5	015·4	014·0	013·3	012·9	012·5	012·5	012·2	012·2	011·9	011·8	011·5	011·8	011·9	014·8
14	012·0	012·5	013·0	012·9	013·7	013·9	014·4	015·3	015·6	016·4	016·7	017·3	017·7	017·8	017·7	017·7	017·6	017·6	017·3	017·0	016·7	015·8	015·0	014·2	015·6
15	013·3	012·0	010·5	008·9	007·2	005·5	003·9	002·4	000·2	998·1	996·1	994·0	992·6	990·7	988·9	987·4	986·0	985·2	984·0	983·0	982·2	981·2	981·1	980·7	995·5
16	980·7	980·6	980·8	980·9	980·9	981·1	981·7	982·4	983·2	984·3	984·9	985·5	986·0	986·6	987·3	988·0	988·6	988·8	989·7	990·6	991·1	991·3	991·6	992·2	**985·5**
17	992·5	993·0	993·4	993·6	993·9	994·6	995·0	995·4	996·1	996·5	996·8	997·5	997·6	997·8	998·2	998·3	998·3	999·2	999·4	999·8	999·9	000·0	000·1	999·9	996·8
18	999·5	999·4	999·0	998·6	998·1	997·3	996·9	996·3	995·9	995·2	994·7	994·0	993·0	992·6	992·2	991·8	991·3	992·1	993·0	993·3	993·7	994·5	994·8	995·0	995·2
19	995·0	995·1	995·0	994·6	994·1	994·3	993·8	993·2	992·4	991·1	990·0	989·1	988·9	988·4	988·3	988·2	988·3	989·5	990·7	991·5	992·7	993·6	994·3	995·8	992·0
20	996·3	996·6	997·0	997·4	997·4	997·2	997·5	997·8	998·0	998·1	998·4	998·4	998·9	999·1	999·5	000·0	000·3	000·6	001·2	001·6	001·9	001·9	001·7	001·5	999·0
21	001·2	000·6	000·2	999·7	999·1	998·2	998·3	997·9	997·3	996·4	996·2	995·3	995·2	995·0	995·4	995·8	996·9	997·8	999·1	999·7	000·9	001·8	002·6	003·2	998·5
22	004·1	005·4	006·7	007·8	009·0	010·0	011·0	012·2	013·0	013·7	014·4	015·0	015·2	015·5	016·0	016·7	017·1	017·7	018·2	018·4	018·8	019·1	019·6	019·8	013·6
23	020·2	020·6	020·7	021·1	021·5	021·9	022·7	023·5	023·9	024·2	024·7	024·8	024·9	025·5	025·8	026·0	026·0	026·2	026·6	027·0	027·4	027·5	027·4	027·6	024·3
24	027·6	027·6	027·4	027·0	026·9	026·5	026·4	026·4	026·2	025·6	025·0	024·2	023·1	022·3	021·6	021·0	020·2	019·4	018·3	017·3	016·4	015·4	014·5	013·7	022·8
25	012·6	011·5	010·9	010·2	009·8	009·4	009·2	009·0	009·0	008·8	008·7	008·4	007·7	007·6	007·6	007·6	007·5	007·6	007·8	007·6	007·3	007·4	007·2	006·8	008·8
26	006·8	006·8	006·8	007·1	007·2	008·0	009·0	010·0	011·3	012·5	013·1	013·7	013·8	013·7	013·9	014·3	014·4	014·5	014·7	014·3	014·4	014·4	014·4	014·1	011·6
27	013·5	013·2	012·7	012·3	011·8	011·0	010·9	010·6	010·3	009·9	009·5	008·6	007·8	007·1	006·6	005·7	004·8	004·2	003·6	003·2	002·6	001·9	001·3	000·7	007·9
28	999·8	999·4	998·8	998·5	998·4	998·2	998·1	997·9	997·9	997·4	997·3	997·0	996·7	996·6	996·3	996·1	996·2	996·2	996·0	996·0	996·0	996·0	996·4	996·4	997·3
29	996·5	996·3	996·1	995·8	995·7	995·1	994·7	994·4	994·4	994·3	994·0	993·8	993·3	992·7	992·0	991·9	992·0	992·0	992·0	991·9	991·8	991·9	992·2	992·2	993·7
30	992·2	992·2	992·2	991·9	991·9	992·0	992·2	992·3	992·4	992·4	992·4	992·2	992·2	991·8	991·7	991·7	991·7	991·7	991·7	991·6	991·3	990·9	990·6	990·6	991·9
31	990·5	990·3	990·2	989·8	989·5	989·3	989·4	989·5	989·6	989·6	990·0	990·4	990·3	990·3	990·6	991·1	991·7	991·9	992·4	992·7	993·1	993·0	993·4	993·8	990·9
Mean (Station level)	**1004** ·09	1003 ·96	1003 ·79	1003 ·60	1003 ·44	1003 ·28	1003 ·30	1003 ·44	1003 ·50	1003 ·48	1003 ·47	1003 ·29	1003 ·08	**1002** ·94	1002 ·98	1003 ·13	1003 ·27	1003 ·50	1003 ·75	1003 ·89	1004 ·01	1004 ·05	1004 ·07	1004 ·02	1003 ·56
Mean (Sea level)	**1007** ·42	1007 ·29	1007 ·12	1006 ·93	1006 ·77	1006 ·61	1006 ·63	1006 ·77	1006 ·83	1006 ·81	1006 ·79	1006 ·61	1006 ·40	**1006** ·26	1006 ·30	1006 ·46	1006 ·60	1006 ·83	1007 ·07	1007 ·22	1007 ·34	1007 ·38	1007 ·40	1007 ·35	1006 ·89

2. Aberdeen : H_b=26·8 metres. **February, 1922.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	994·2	994·5	994·6	994·6	994·7	995·1	995·5	996·2	996·8	997·5	998·1	998·3	998·7	998·8	999·0	999·6	000·2	000·3	000·8	001·1	001·3	001·3	001·5	001·3	997·9
2	001·2	001·0	000·3	999·5	998·7	998·0	997·1	996·4	995·4	993·9	993·1	992·0	991·0	989·6	988·6	987·6	986·6	985·9	986·0	985·5	984·8	984·7	984·4	984·4	992·3
3	984·0	983·9	983·8	983·9	983·7	983·8	984·4	985·3	986·0	987·0	987·8	988·5	989·3	989·9	990·5	991·1	991·9	992·8	993·3	994·1	994·6	995·4	996·3	997·0	988·8
4	997·6	998·0	998·4	999·0	999·4	000·0	001·0	001·7	002·4	003·2	003·7	004·1	004·6	005·5	006·5	007·2	007·9	008·5	009·0	009·5	010·3	010·9	011·3	004·1	
5	011·5	011·6	012·0	012·3	012·5	012·6	013·3	013·9	014·7	015·7	016·0	016·0	016·3	016·4	016·5	017·3	018·0	018·3	018·5	018·5	018·8	018·9	019·3	019·0	015·6
6	019·2	018·8	018·3	018·5	019·0	019·2	019·0	019·1	019·1	019·2	019·0	018·7	018·4	018·2	018·0	017·9	018·0	017·9	018·1	017·7	017·7	017·4	017·4	017·1	018·4
7	016·5	016·0	015·8	015·0	015·1	015·0	014·7	014·7	014·5	014·3	014·1	013·2	013·1	012·5	011·8	011·3	010·9	010·4	010·2	009·9	009·4	008·7	008·4	008·7	012·8
8	008·3	008·0	008·0	007·7	007·3	007·8	008·3	008·9	009·6	010·2	011·2	011 4	012·0	012·3	013·4	014·2	015·4	016·4	017·5	018·1	018·7	019·4	020·1	020·7	012·5
9	021·1	021·5	021·8	022·1	022·4	022·5	022·7	023·0	023·1	023·8	023·9	024·0	023·7	023·7	023·5	023·4	023·6	023·8	024·0	024·3	024·3	024·3	024·6	024·7	023·2
10	024·2	024·3	024·5	024·4	024·0	024·1	024·6	025·5	025·1	025·3	026·0	025·9	025·4	025·2	025·1	025·0	024·9	024·8	024·8	024·7	024·6	024·1	024·3	024·2	**024·8**
11	024·1	024·0	023·9	023·7	023·6	023·4	023·1	023·1	023·3	023·1	022·6	022·0	021·6	021·3	021·1	020·7	020·6	020·7	020·7	020·4	020·2	020·1	020·0	020·0	022·1
12	019·7	019·4	019·0	018·5	018·2	018·0	017·9	017·8	017·3	016·9	016·8	016·4	015·7	015·1	014·3	013·4	012·5	011·7	011·0	009·9	009·0	007·6	006·8	006·0	014·8
13	005·1	004·4	003·8	003·3	003·1	002·8	003·1	003·4	003·4	003·3	003·2	003·3	003·4	003·5	003·7	004·2	004·7	005·2	005·6	006·4	006·7	007·1	007·7	007·8	004·5
14	007·8	007·8	007·7	007·8	008·1	008·9	009·2	010·3	010·6	011·5	011·6	011·6	012·0	011·9	011·9	012·2	012·0	011·8	011·9	011·6	011·2	010·9	010·2	009·7	010·4
15	009·1	008·3	007·7	007·1	006·6	005·9	005·5	005·1	004·8	004·7	004·2	003·7	003·7	003·5	003·5	003·2	003·3	003·2	003·1	003·0	002·9	002·4	002·2	001·8	004·7
16	001·2	000·7	000·4	999·8	999·7	999·1	998·5	998·9	999·2	999·1	998·5	998·2	997·8	998·2	997·9	997·8	997·9	998·0	998·2	998·5	999·1	999·0	999·2	999·1	999·0
17	999·2	999·7	999·6	999·2	999·5	999·4	999·4	999·4	998·9	998·8	998·4	997·6	996·7	995·7	994·6	993·5	992·7	991·7	990·3	989·4	988·2	987·5	986·7	986·3	995·4
18	985·6	985·0	984·7	984·5	984·2	984·4	984·8	985·6	986·1	987·1	987·6	988·5	989·5	990·1	991·4	992·5	993·6	994·5	995·3	996·1	996·4	997·1	997·5	997·7	989·8
19	997·6	998·0	997·6	997·1	996·6	995·9	994·9	994·5	993·8	992·6	991·2	989·4	987·8	985·8	984·0	982·8	981·6	981·7	981·4	982·0	982·9	983·6	984·6	985·4	989·5
20	985·9	986·0	986·2	986·2	986·7	987·1	987·5	987·5	988·3	988·9	989·1	989·4	989·5	989·7	990·0	990·1	990·3	990·6	990·4	990·3	989·7	989·6	989·2	989·3	988·6
21	989·2	988·3	988·2	987·3	986·3	985·3	984·3	983·1	981·8	980·6	979·8	979·1	978·6	978·1	977·7	977·9	978·9	980·2	981·3	982·0	982·7	982·9	982·8	983·0	**982·6**
22	983·1	983·1	982·7	982·2	982·0	981·8	981·9	982·4	982·7	983·2	983·6	984·1	985·0	985·6	986·4	987·1	988·1	989·0	989·0	989·6	990·0	990·1	990·5	990·7	985·4
23	990·4	990·0	989·7	989·3	989·6	990·3	990·9	991·5	992·9	994·5	995·6	996·6	997·5	997·7	998·5	998·7	999·6	000·1	000·2	001·0	001·1	001·7	002·5	003·0	995·7
24	003·1	003·5	003·3	002·7	002·5	002·3	001·8	001·2	000·7	000·1	000·2	000·0	999·2	998·4	997·9	997·7	997·1	996·9	997·3	998·2	998·5	998·8	999·0	999·6	000·3	000·2
25	000·3	000·0	998·9	998·9	999·0	999·0	999·9	000·0	000·1	000·2	000·1	999·7	999·5	999·1	998·2	997·6	996·7	995·3	993·7	991·8	990·3	988·4	987·6	989·9	997·1
26	991·9	993·5	993·8	993·9	994·0	993·4	992·9	991·9	991·6	990·7	989·7	988·5	987·2	987·5	987·2	987·2	987·6	987·5	987·2	986·7	986·9	986·8	986·4	986·9	989·7
27	986·6	987·8	987·9	988·8	989·0	988·7	989·1	990·3	991·5	992·8	992·9	993·1	992·6	991·5	990·3	989·8	989·6	989·1	988·1	988·9	988·8	989·3	989·2	989·1	989·7
28	988·8	988·1	987·9	987·0	986·8	986·8	986·3	985·6	985·3	986·7	986·2	985·6	987·2	987·1	987·3	987·2	987·8	988·2	987·9	987·5	987·5	987·6	987·2	987·0	987·2
Mean (Station level)	**1001** ·66	1001 ·61	1001 ·45	1001 ·23	1001 ·15	1001 ·09	1001 ·13	1001 ·30	1001 ·39	1001 ·56	1001 ·58	1001 ·43	1001 ·32	1001 ·13	1001 ·00	**1000** ·96	1001 ·11	1001 ·23	1001 ·26	1001 ·30	1001 ·29	1001 ·26	1001 ·33	1001 ·48	1001 ·31
Mean (Sea level)	**1004** ·99	1004 ·94	1004 ·77	1004 ·55	1004 ·47	1004 ·41	1004 ·45	1004 ·62	1004 ·71	1004 ·88	1004 ·90	1004 ·73	1004 ·62	1004 ·41	1004 ·29	**1004** ·25	1004 ·41	1004 ·53	1004 ·56	1004 ·61	1004 ·61	1004 ·58	1004 ·65	1004 ·80	1004 ·62
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

3. Aberdeen : H_b (height of barometer cistern above M.S.L.) = 26·8 metres. **March, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	987·0	986·9	986·0	985·7	986·3	985·7	986·5	987·0	987·5	988·4	988·6	988·6	988·7	989·2	989·4	989·5	990·1	990·7	991·4	991·8	992·3	992·9	993·8	994·7	989·0
2	995·8	996·8	997·7	998·6	999·5	000·7	001·8	002·7	003·8	004·6	005·8	006·8	007·6	008·2	009·3	009·5	010·0	010·5	010·4	010·3	010·3	010·1	009·7	009·0	005·1
3	008·1	007·3	006·2	005·0	004·1	003·4	002·1	000·7	000·3	000·0	000·1	000·1	000·5	001·0	001·8	002·1	002·6	003·1	003·2	003·3	003·1	003·0	002·6	002·4	002·9
4	002·0	001·3	000·5	999·9	998·8	998·8	998·2	998·1	997·7	998·0	998·6	998·9	999·4	000·1	000·6	001·0	001·2	001·9	002·0	002·1	002·0	002·0	002·3	002·4	000·3
5	002·0	000·8	000·5	999·0	997·6	995·7	993·8	992·2	989·8	988·7	987·1	986·3	985·8	985·4	985·1	985·1	984·7	984·9	985·0	985·1	984·9	984·8	984·8	984·9	990·1
6	984·6	984·6	984·6	984·4	984·6	984·8	985·5	986·5	986·6	987·0	987·5	987·6	987·3	987·4	987·6	987·6	987·3	987·1	987·2	986·9	986·8	986·0	985·1	984·1	986·2
7	984·1	984·2	984·2	984·0	984·2	984·3	984·2	984·4	984·3	983·7	982·9	982·7	981·8	980·9	980·3	979·6	979·3	978·9	978·6	978·5	978·5	978·6	978·5	978·2	981·7
8	977·7	977·5	977·3	977·1	976·8	976·4	976·4	976·2	975·9	976·0	976·5	977·3	977·5	977·5	977·7	978·2	978·8	979·8	980·4	980·9	981·3	981·8	982·2	982·8	**978·2**
9	983·0	983·4	983·8	984·5	985·0	986·0	987·2	988·5	989·7	991·7	993·2	994·6	995·8	996·8	997·8	999·1	000·8	002·7	004·0	005·0	005·6	006·3	006·7	007·3	994·4
10	008·5	008·7	009·2	009·7	010·7	011·5	012·2	012·7	013·7	014·4	014·7	014·9	014·8	014·5	014·4	014·4	014·4	014·4	015·1	015·4	015·2	015·6	015·7	016·0	013·2
11	016·1	016·2	016·4	016·3	016·5	016·8	016·9	017·5	018·1	018·3	018·5	018·6	018·7	018·6	018·6	018·7	019·0	019·4	019·6	019·6	019·9	020·2	020·2	020·4	018·2
12	020·6	020·6	021·1	021·5	022·3	023·1	023·9	025·0	026·6	027·8	028·6	029·2	029·8	030·0	030·4	030·8	031·3	031·8	032·2	032·2	032·4	032·3	032·3	032·2	027·6
13	032·2	032·1	032·0	031·5	031·2	030·9	030·8	030·6	030·5	030·3	030·0	029·8	029·4	028·8	028·4	028·3	028·2	028·1	028·3	028·2	028·5	028·5	028·3	028·3	**029·8**
14	027·4	027·3	027·3	027·1	027·0	026·7	026·8	027·0	027·3	027·2	026·9	026·4	025·9	025·9	025·6	025·2	025·2	025·3	025·4	025·5	025·4	025·5	025·6	025·4	026·3
15	025·3	025·3	024·9	024·8	024·8	024·4	024·7	024·8	024·6	024·5	024·8	024·9	024·8	024·6	024·5	024·5	024·4	024·4	024·4	024·5	024·7	024·9	024·9	024·8	024·7
16	024·6	024·6	024·3	024·1	024·1	024·3	024·3	024·4	024·6	024·6	024·6	024·7	024·5	024·3	024·3	024·2	024·2	024·1	024·4	024·6	024·8	024·9	025·0	024·9	024·5
17	024·9	024·6	024·6	024·5	024·4	024·4	024·4	024·6	024·6	024·4	024·4	024·2	023·7	023·4	023·0	022·5	022·1	022·0	021·8	021·6	021·2	020·9	020·5	020·2	023·3
18	019·7	019·3	018·9	018·6	018·2	018·1	018·1	018·2	018·2	018·1	018·1	018·1	017·9	017·7	017·6	017·5	017·4	017·7	017·9	018·0	017·9	018·1	017·8	017·8	018·2
19	017·4	016·9	016·3	016·0	015·8	015·5	015·4	015·1	015·3	015·3	015·0	015·0	014·9	014·3	014·1	013·8	014·2	014·7	015·6	015·9	016·2	016·6	016·6	016·3	015·5
20	016·3	015·8	015·5	015·1	014·7	014·7	014·6	014·6	014·0	013·7	013·5	013·6	013·4	013·7	013·4	013·6	014·3	014·9	015·2	015·6	016·1	016·4	016·9	017·4	014·9
21	017·9	018·7	019·0	019·4	019·9	020·3	021·2	022·0	023·1	023·9	024·3	024·4	024·6	024·4	024·5	024·7	024·6	025·0	025·4	025·3	025·5	025·3	025·0	024·9	022·9
22	024·4	024·1	023·8	023·2	022·8	022·6	022·4	022·4	022·3	022·3	022·3	022·0	021·6	021·2	020·6	020·2	020·2	020·2	020·3	020·2	020·1	020·1	020·0	019·6	021·7
23	019·1	018·8	018·3	018·1	017·9	017·9	018·0	018·0	017·8	017·1	016·7	016·2	015·7	015·0	014·4	013·6	012·8	012·5	012·1	011·8	010·6	009·1	008·1	007·0	015·1
24	005·6	004·4	003·0	001·6	000·6	999·2	998·4	997·5	996·5	995·7	994·8	993·8	992·6	991·3	990·0	988·9	988·3	987·5	986·7	986·0	985·3	984·8	984·2	983·6	993·8
25	983·0	982·5	982·2	981·8	981·5	981·4	981·5	981·6	981·7	981·6	981·6	981·7	981·9	981·9	981·9	982·1	982·5	983·2	984·2	985·0	985·9	986·7	987·4	988·1	982·9
26	988·8	989·4	989·8	990·6	991·1	992·0	992·5	993·2	993·6	993·9	993·9	993·9	993·9	993·2	993·2	993·0	993·0	993·2	993·4	994·0	994·8	995·1	995·4	995·5	992·8
27	995·4	995·5	995·3	995·2	995·2	995·3	995·4	995·8	995·7	996·4	996·5	996·7	997·3	998·0	998·7	999·8	000·5	001·8	003·0	004·0	005·0	006·0	006·8	007·7	998·8
28	008·7	009·6	010·2	010·8	011·6	012·5	013·4	014·4	015·4	016·2	016·7	017·0	017·3	017·5	017·7	018·1	018·1	018·5	019·3	019·4	019·2	019·2	019·2	019·1	015·6
29	018·9	018·5	018·2	018·0	017·8	017·6	017·3	017·0	017·0	016·7	016·4	016·3	016·2	015·9	015·6	015·3	015·1	014·8	014·7	014·4	014·1	013·7	013·3	013·0	016·2
30	012·5	012·1	011·9	011·2	010·7	010·3	009·9	009·6	009·2	008·1	007·4	016·8	006·1	005·4	004·5	003·8	003·2	003·0	002·7	002·5	002·1	002·2	002·2	002·4	006·9
31	002·3	002·3	002·5	002·7	002·7	003·3	004·0	004·5	005·0	005·8	005·9	006·1	006·3	006·4	006·3	006·4	006·6	006·8	007·1	007·7	007·8	008·1	008·0	008·2	005·4
Mean (Station level)	1007 ·55	1007 ·42	1007 ·27	1007 ·10	**1007 ·05**	1007 ·05	1007 ·15	1007 ·32	1007 ·43	1007 ·56	1007 ·61	1007 ·65	1007 ·60	1007 ·50	1007 ·46	1007 ·45	1007 ·56	1007 ·84	1008 ·10	1008 ·24	1008 ·31	**1008 ·38**	1008 ·36	1008 ·34	1007 ·62
Mean (Sea level)	1010 ·89	1010 ·76	1010 ·61	1010 ·44	**1010 ·39**	1010 ·39	1010 ·49	1010 ·66	1010 ·76	1010 ·88	1010 ·93	1010 ·96	1010 ·91	1010 ·81	1010 ·76	1010 ·77	1010 ·87	1011 ·16	1011 ·43	1011 ·57	1011 ·65	**1011 ·72**	1011 ·71	1011 ·69	1010 ·95

4. Aberdeen : H_b = 26·8 metres. **April, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	008·2	008·2	008·0	007·8	007·7	007·6	007·1	007·0	007·0	006·8	006·8	006·8	006·8	006·5	006·3	006·4	006·3	006·5	006·6	006·8	006·7	006·5	006·6	006·6	007·0
2	006·5	006·4	006·1	006·0	005·7	005·6	005·1	004·9	004·9	004·6	004·5	004·1	003·9	003·9	003·4	002·8	002·5	002·3	002·1	001·8	001·2	000·7	000·5	999·7	003·9
3	999·4	998·9	997·9	997·5	996·8	996·2	995·9	995·5	995·2	994·6	994·2	993·7	993·4	993·0	992·7	992·4	992·4	992·4	992·5	992·5	992·7	992·6	992·6	992·7	994·6
4	992·7	992·8	992·9	993·1	993·7	994·1	994·4	994·7	995·2	995·6	995·7	996·1	996·7	996·8	997·1	997·4	997·9	998·5	999·0	999·4	999·4	999·7	000·0	000·2	996·2
5	000·5	000·6	000·6	000·7	000·8	001·1	001·4	001·9	002·1	002·6	002·8	003·1	003·3	003·7	004·0	004·2	004·5	004·9	005·2	005·6	005·8	006·3	006·5	006·7	003·2
6	007·0	007·0	007·0	007·1	007·3	007·5	008·0	008·2	008·3	008·2	008·2	008·3	008·3	008·3	008·0	007·6	007·4	007·2	007·0	007·0	006·9	006·6	006·3	006·3	007·5
7	005·9	005·5	005·4	005·1	004·7	004·7	004·7	004·5	004·2	004·0	003·7	003·5	003·3	003·3	003·1	002·9	002·4	002·4	002·8	003·1	003·3	003·4	003·4	003·4	003·9
8	003·3	003·3	003·4	003·5	003·9	004·7	004·9	005·2	006·2	006·9	007·1	007·5	007·9	008·2	008·5	008·7	009·1	009·9	010·3	010·8	011·2	011·7	012·1	012·3	007·3
9	012·8	012·9	013·0	013·1	013·3	013·5	013·7	014·0	014·2	014·1	014·1	014·0	013·9	013·7	013·4	012·9	012·6	012·2	012·1	012·0	011·4	010·9	010·3	010·0	012·9
10	009·0	008·2	007·5	006·8	006·3	005·7	005·2	004·7	004·4	004·0	003·4	003·2	002·9	002·3	001·9	001·4	001·1	001·0	001·0	001·4	001·3	001·2	001·0	000·8	003·8
11	000·7	000·4	000·3	000·2	000·1	000·2	000·4	000·4	000·1	000·1	000·1	000·1	999·7	999·3	998·9	998·4	998·2	998·2	998·2	998·1	997·9	997·5	997·1	996·9	999·3
12	996·2	996·0	995·7	995·2	995·0	994·8	994·7	994·6	994·6	994·1	993·7	993·5	993·5	993·0	992·6	992·1	991·7	991·1	990·7	989·9	988·5	987·4	985·9	984·6	992·7
13	983·4	982·6	981·7	981·4	981·4	981·7	982·1	982·6	983·6	984·7	985·4	986·8	987·8	989·0	990·2	991·1	992·1	993·2	994·4	995·7	996·8	997·5	998·2	998·5	987·9
14	998·8	999·1	999·3	999·6	999·8	000·0	000·0	000·1	000·4	000·3	000·0	999·4	999·1	998·5	997·8	996·6	995·5	994·6	993·1	991·0	989·0	987·7	986·2	985·6	996·6
15	984·3	983·1	982·3	981·9	981·6	981·8	981·5	981·5	981·7	982·3	983·1	983·6	984·2	984·8	986·0	987·2	987·6	988·5	989·2	990·4	991·2	991·7	992·4	993·3	**985·5**
16	993·8	994·4	995·5	996·2	996·8	997·4	998·2	999·6	000·5	001·9	002·9	003·9	005·3	006·3	007·3	008·6	010·0	011·4	012·8	013·9	014·7	015·7	016·7	017·3	004·5
17	018·0	018·5	018·9	019·6	020·3	021·2	022·0	022·6	023·6	024·0	024·7	025·0	025·7	026·0	026·3	027·0	027·5	028·2	029·0	029·7	030·1	030·3	030·5	030·7	024·7
18	030·8	030·9	031·1	031·4	031·6	032·0	032·4	032·7	032·8	033·0	033·1	032·9	032·9	032·8	032·6	032·5	032·6	032·6	032·8	032·8	032·7	032·6	032·6	032·4	**032·3**
19	032·0	031·5	031·0	030·9	030·6	030·6	030·4	030·4	030·3	029·8	029·6	029·1	028·5	028·1	027·6	027·2	026·9	026·6	026·7	026·7	026·5	026·3	025·9	025·5	028·8
20	025·1	024·8	024·6	024·4	024·5	024·2	024·3	024·5	024·7	025·0	024·8	024·6	024·2	023·8	023·3	023·1	022·9	022·6	022·4	022·5	022·2	022·0	021·4	020·9	023·7
21	020·4	019·5	018·9	018·6	018·3	017·9	017·8	017·4	017·2	016·4	015·9	015·3	015·0	014·5	014·0	013·8	013·4	013·1	013·2	013·4	013·0	012·6	012·4	011·8	015·8
22	011·5	011·0	010·6	010·4	010·0	010·0	009·9	009·6	009·3	009·0	009·0	008·7	008·5	008·5	008·4	008·1	007·7	007·5	007·5	007·7	007·6	007·7	007·3	007·0	009·0
23	006·4	006·1	005·7	005·2	004·8	004·5	004·0	003·7	003·0	002·3	001·6	000·8	999·6	998·5	997·1	995·9	994·8	993·8	992·5	991·7	990·8	990·0	989·1	988·5	999·2
24	988·0	987·7	987·1	987·0	986·9	987·1	987·3	987·4	987·5	987·4	987·3	987·3	987·2	987·5	987·5	988·1	988·7	989·6	990·0	991·8	992·4	993·3	993·7	993·9	988·7
25	994·3	994·5	994·9	994·9	994·9	994·9	995·5	995·6	995·5	995·1	994·9	994·9	994·5	994·2	993·7	993·3	992·7	992·9	993·0	992·9	993·1	992·8	992·5	992·3	994·1
26	992·0	991·6	991·4	991·1	991·0	991·0	991·3	991·4	991·5	991·4	991·6	991·8	992·1	992·4	992·7	992·8	993·1	993·3	993·8	994·4	994·7	994·8	995·0	995·1	992·5
27	995·4	995·6	995·4	995·5	995·6	995·7	995·8	995·9	996·0	996·2	996·1	996·1	996·2	996·3	996·0	996·2	996·1	996·2	996·2	996·3	996·1	995·7	995·8	995·7	995·9
28	995·8	995·9	996·0	996·2	996·5	996·5	997·0	997·5	997·8	998·3	998·3	998·6	998·9	999·3	999·4	999·4	999·7	000·0	000·5	001·0	001·2	000·9	000·7	000·6	998·5
29	000·1	000·1	000·2	000·3	000·8	001·4	002·0	002·7	003·1	003·2	003·5	004·0	004·2	004·4	004·7	005·0	005·3	005·7	006·2	006·4	006·6	006·8	006·7	006·6	003·6
30	006·7	006·6	006·6	006·4	006·7	006·9	007·3	007·7	007·9	008·1	008·4	008·6	009·1	009·5	009·4	009·4	009·4	009·3	009·5	009·5	009·4	009·2	009·1	008·7	008·3
Mean (Station level)	1003 ·97	1003 ·79	1003 ·63	**1003 ·57**	1003 ·58	1003 ·68	1003 ·81	1003 ·95	1004 ·09	1004 ·13	1004 ·15	1004 ·18	1004 ·22	1004 ·21	1004 ·13	1004 ·08	1004 ·07	1004 ·19	1004 ·37	**1004 ·54**	1004 ·48	1004 ·40	1004 ·28	1004 ·15	1004 ·07
Mean (Sea level)	1007 ·30	1007 ·13	1006 ·97	**1006 ·91**	1006 ·92	1007 ·02	1007 ·14	1007 ·27	1007 ·40	1007 ·43	1007 ·45	1007 ·47	1007 ·51	1007 ·50	1007 ·42	1007 ·37	1007 ·36	1007 ·49	1007 ·68	**1007 ·86**	1007 ·81	1007 ·73	1007 ·61	1007 ·48	1007 ·39
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

5. Aberdeen : H_b (height of barometer cistern above M.S.L.) = 26·8 metres. **May, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level 1	mb. 008·5	mb. 008·1	mb. 007·7	mb. 007·1	mb. 006·8	mb. 006·7	mb. 006·4	mb. 006·4	mb. 006·3	mb. 006·1	mb. 006·1	mb. 006·0	mb. 005·8	mb. 005·7	mb. 005·6	mb. 005·4	mb. 005·3	mb. 005·3	mb. 005·2	mb. 005·2	mb. 005·4	mb. 004·8	mb. 004·7	mb. 004·3	mb. 006·1
2	004·1	03·8	003·5	003·2	002·8	002·8	002·6	002·4	002·3	002·0	001·9	001·8	001·9	001·9	002·0	001·9	002·6	002·2	002·5	002·9	003·2	003·6	003·7	003·7	002·7
3	003·6	003·4	003·3	003·2	003·1	002·8	002·5	001·9	001·3	000·6	999·8	999·6	998·7	998·2	997·3	996·3	995·8	995·2	995·0	995·1	995·4	995·8	996·1	996·5	999·3
4	996·5	996·5	996·4	996·3	995·9	995·8	995·6	995·3	995·0	994·0	993·9	993·5	993·3	992·8	992·8	992·0	991·4	990·7	990·1	989·3	988·7	988·5	988·6	988·6	**993·1**
5	988·7	989·0	989·6	990·2	990·3	991·0	991·9	992·7	994·1	995·3	996·7	998·1	999·1	000·3	001·8	003·0	004·4	005·6	006·9	008·0	009·3	010·2	011·1	011·4	998·6
6	012·0	012·5	012·7	012·9	012·8	013·0	013·1	013·2	013·1	012·2	012·0	011·7	011·8	011·7	011·8	012·0	012·6	013·2	014·2	015·1	015·8	016·9	017·7	017·9	013·3
7	018·3	018·2	018·3	018·0	018·0	017·7	017·4	017·3	017·3	017·1	017·4	017·7	018·0	017·7	017·5	017·4	017·5	017·9	018·2	018·5	018·5	018·7	018·6	018·8	017·9
8	018·8	019·0	018·9	018·9	018·8	018·8	018·9	019·1	019·2	019·3	019·3	019·3	019·3	019·5	019·9	020·0	020·5	021·0	021·6	022·7	023·5	024·1	024·5	025·0	020·3
9	024·8	215·1	025·4	025·8	026·1	026·8	027·0	027·3	027·4	027·3	027·3	027·1	027·0	026·4	025·9	025·5	025·4	024·9	024·7	024·4	024·1	023·6	023·4	022·9	**025·7**
10	022·3	021·8	021·8	021·5	021·6	021·7	021·7	021·7	021·5	021·4	021·4	021·1	021·2	021·0	020·6	020·2	019·9	019·6	019·6	019·4	019·4	019·2	018·8	018·3	020·8
11	017·9	017·5	017·0	016·6	016·5	016·2	016·1	015·8	015·6	015·1	014·9	014·6	014·3	013·9	013·5	013·0	012·7	012·6	012·6	012·4	012·3	011·8	011·7	011·6	014·6
12	011·2	011·0	010·6	010·7	010·5	010·5	010·6	010·5	010·7	010·7	011·0	011·1	011·5	011·5	011·6	011·7	011·8	012·1	012·5	012·8	013·0	013·1	013·2	013·3	011·5
13	013·4	013·6	013·7	013·8	013·7	013·6	013·7	013·9	013·8	013·6	013·3	013·2	013·2	013·1	012·5	012·4	011·8	011·6	011·7	011·5	011·5	011·2	011·2	011·0	012·8
14	010·8	010·4	010·0	009·6	009·4	009·2	008·7	008·2	007·4	006·3	005·4	005·0	004·4	004·0	003·9	003·5	003·1	002·7	002·9	004·1	004·8	005·3	006·3	006·7	006·4
15	007·0	007·2	007·3	007·3	007·1	007·2	007·1	007·1	006·9	006·4	005·8	005·5	005·0	004·6	004·3	004·3	004·4	004·7	004·6	004·8	004·8	004·5	004·3	003·5	005·7
16	002·7	002·4	001·4	000·7	000·3	999·6	999·6	999·6	999·5	999·2	999·2	998·8	998·6	997·8	997·6	997·9	997·6	997·5	997·5	997·4	997·4	997·3	996·8	996·3	999·0
17	996·0	995·9	995·8	995·7	995·7	995·8	995·9	995·7	995·8	995·8	995·7	995·5	995·6	995·5	995·6	995·4	994·8	994·8	994·7	994·6	994·5	994·4	994·5	994·5	995·4
18	994·2	994·0	994·1	994·2	994·5	994·8	995·2	995·6	995·9	996·5	996·9	997·2	997·7	997·9	998·5	999·1	999·7	000·4	001·1	001·9	002·7	003·1	003·6	004·1	997·8
19	004·1	004·1	004·4	004·6	004·4	004·6	004·7	005·0	005·4	005·6	005·7	005·7	005·7	005·7	006·0	006·5	007·2	008·4	009·1	010·3	010·7	011·6	012·2	012·9	006·7
20	013·6	014·2	014·9	015·6	016·4	017·2	017·6	018·1	018·5	018·4	018·3	018·3	018·0	017·4	017·0	017·0	017·0	016·8	016·4	015·8	015·5	015·2	014·2	013·0	016·4
21	012·6	011·6	011·6	011·6	012·6	012·2	012·4	012·6	012·6	012·7	012·6	012·6	012·5	012·2	012·1	012·0	011·9	012·0	011·7	011·5	011·4	010·7	009·8	008·8	011·9
22	006·9	005·4	004·1	002·7	001·8	001·4	001·3	001·3	001·7	001·8	002·2	002·8	003·9	004·1	004·9	005·6	006·3	006·9	007·5	008·7	009·8	010·0	010·7	010·7	005·1
23	011·0	010·9	010·6	010·9	010·9	010·8	010·8	010·6	010·6	009·8	009·3	009·0	008·6	008·0	007·5	006·8	005·8	005·4	005·3	005·5	005·7	005·7	006·1	006·4	008·5
24	007·0	007·5	008·3	008·9	009·4	009·9	010·5	011·1	011·6	012·3	012·3	012·4	013·0	013·2	013·4	013·2	013·4	013·8	014·0	014·9	015·6	015·5	015·6	016·2	012·0
25	015·8	015·8	015·9	015·9	016·1	016·2	016·3	016·8	016·5	016·5	016·0	015·9	015·9	015·7	015·5	015·3	014·9	014·7	014·5	014·1	014·1	014·1	013·6	012·7	015·4
26	012·3	011·6	011·0	009·9	009·8	009·5	009·5	009·3	009·6	009·7	009·7	009·8	010·2	010·5	011·6	011·9	012·2	013·2	013·9	014·4	015·2	015·6	016·0	016·5	011·7
27	017·1	017·4	017·5	018·1	018·4	018·5	019·0	019·5	020·5	020·9	021·2	021·6	021·9	022·2	022·9	023·1	023·3	024·0	024·8	025·1	025·4	025·6	025·9	026·1	021·5
28	025·8	025·4	024·8	024·5	024·0	023·5	022·7	021·9	020·5	019·9	019·2	019·0	018·6	018·3	018·0	017·8	018·6	019·3	020·3	020·7	020·0	022·8	023·2	023·5	021·5
29	024·5	024·7	025·0	025·4	025·5	025·8	025·8	026·0	025·8	025·9	025·8	025·3	025·3	024·9	025·0	024·0	024·6	024·6	024·7	024·8	025·1	025·0	025·2	024·6	025·1
30	024·4	024·3	023·8	023·8	023·7	023·0	022·9	022·8	022·7	021·7	021·1	020·4	020·1	019·3	018·7	018·1	017·7	017·3	017·4	017·4	017·5	017·6	017·4	016·6	020·6
31	016·3	015·8	015·8	015·9	015·7	015·8	016·0	016·1	016·3	016·2	016·3	016·3	016·1	016·0	015·9	015·8	015·7	015·6	015·3	015·6	015·4	015·3	015·0	014·7	015·8
Mean (Station level)	1011 ·04	1010 ·91	1010 ·82	1010 ·76	1010 ·71	1010 ·73	1010 ·78	1010 ·80	1010 ·82	1010 ·65	1010 ·57	1010 ·51	1010 ·52	1010 ·35	1010 ·36	**1010 ·29**	1010 ·30	1010 ·45	1010 ·66	1010 ·93	1011 ·22	1011 ·32	**1011 ·41**	1011 ·31	1010 ·76
Mean (Sea level)	1014 ·34	1014 ·21	1014 ·12	1014 ·06	1014 ·00	1014 ·02	1014 ·06	1014 ·08	1014 ·09	1013 ·91	1013 ·82	1013 ·76	1013 ·77	1013 ·61	1013 ·61	**1013 ·54**	1013 ·55	1013 ·71	1013 ·92	1014 ·20	1014 ·50	1014 ·61	**1014 ·70**	1014 ·60	1014 ·03

6. Aberdeen : H_b = 26·8 metres. **June, 1922.**

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level 1	mb. 014·6	mb. 014·4	mb. 014·2	mb. 014·5	mb. 014·6	mb. 014·8	mb. 015·2	mb. 015·5	mb. 015·8	mb. 016·1	mb. 016·2	mb. 016·3	mb. 016·1	mb. 016·0	mb. 015·9	mb. 015·7	mb. 015·6	mb. 015·6	mb. 015·7	mb. 015·7	mb. 015·5	mb. 015·3	mb. 015·1	mb. 014·4	mb. 015·4
2	013·6	013·0	012·3	011·9	011·6	011·1	010·5	010·4	010·0	009·4	008·9	008·6	008·3	007·6	007·3	006·9	006·5	006·3	006·4	006·5	007·2	008·1	008·7	009·1	009·3
3	009·7	010·1	010·5	010·8	011·1	011·5	011·8	012·1	012·4	012·4	012·4	012·3	012·2	012·3	012·3	013·1	013·9	014·4	014·7	015·3	015·6	016·1	016·3	016·3	012·7
4	016·2	016·1	016·1	016·2	016·2	015·9	016·0	015·7	015·5	015·2	014·8	014·7	014·4	014·0	013·6	013·0	012·9	012·6	012·8	012·7	012·8	013·1	013·1	013·5	014·5
5	013·3	013·3	013·3	013·4	013·6	013·7	014·1	014·3	014·4	014·5	014·6	014·5	014·6	014·5	014·5	014·6	014·8	014·9	015·0	014·9	015·0	014·8	015·1	014·9	014·3
6	015·1	014·8	015·0	015·0	015·2	015·3	015·5	015·7	015·9	015·9	015·7	015·6	015·6	015·7	015·7	015·5	015·6	015·5	015·5	015·6	015·7	015·4	015·2	015·2	015·5
7	015·0	014·9	014·6	014·4	014·2	014·3	014·4	014·5	014·4	014·5	014·3	014·1	013·9	013·6	013·2	013·1	012·9	012·8	012·8	012·8	013·0	013·0	012·9	012·9	013·8
8	012·6	012·6	012·4	012·4	012·4	012·4	012·4	012·3	012·4	012·4	012·2	012·1	011·9	011·7	011·4	011·2	011·1	011·9	012·0	012·3	012·6	012·8	013·0	013·1	012·2
9	013·2	013·0	012·9	012·8	012·7	012·8	012·9	012·8	012·8	012·9	012·7	012·3	012·1	011·3	010·8	010·1	009·6	009·1	008·9	008·6	008·5	008·3	007·7	007·3	011·2
10	006·7	005·8	005·3	005·2	004·9	004·8	004·8	004·7	004·7	004·8	005·1	005·1	005·3	005·7	006·1	006·6	007·0	008·1	008·4	009·0	009·7	010·4	010·8	011·2	006·6
11	011·8	012·1	012·5	013·0	013·2	013·6	014·0	014·4	014·8	014·9	015·1	015·2	015·5	015·6	015·8	016·0	016·0	016·2	016·5	016·7	016·8	016·9	016·7	016·3	014·9
12	016·4	016·1	015·8	015·8	015·6	015·3	015·3	015·3	015·0	014·4	014·1	013·4	013·0	012·9	012·6	012·4	012·1	011·9	011·8	011·4	011·1	010·9	010·6	010·5	013·6
13	010·0	010·5	011·1	012·3	013·2	014·0	014·6	015·1	015·7	016·4	016·8	016·9	017·2	017·7	017·8	018·1	018·2	018·4	019·0	019·5	019·9	020·2	020·2	020·2	016·2
14	019·9	019·9	019·6	019·6	019·3	019·0	018·7	018·8	018·3	017·7	017·2	016·5	016·1	015·7	014·9	014·1	013·6	013·3	013·0	013·1	012·9	012·6	012·6	012·6	**016·4**
15	012·5	012·5	012·4	012·4	012·5	013·3	013·7	014·1	014·4	014·8	014·9	015·0	015·3	015·5	015·6	015·4	015·4	015·3	015·4	015·3	015·4	015·0	014·6	014·3	014·3
16	013·8	013·4	012·8	012·3	011·9	011·6	011·5	011·1	010·9	010·7	010·7	010·8	011·1	011·3	011·8	012·1	012·4	012·4	012·8	012·9	013·4	013·5	013·7	013·6	012·2
17	013·4	012·8	012·1	011·4	010·8	010·9	010·8	010·2	010·1	009·7	009·4	009·3	009·3	009·2	008·9	008·9	009·4	009·8	010·2	010·5	011·1	011·4	011·7	011·8	010·6
18	012·3	012·6	013·0	013·2	013·7	014·1	014·5	014·5	014·6	014·4	014·4	014·2	013·6	013·2	012·0	011·4	010·5	010·0	009·7	009·6	009·5	009·4	009·3	009·5	012·3
19	009·6	009·6	009·7	010·0	010·2	010·7	010·9	011·4	011·7	012·3	012·3	012·4	012·8	013·4	013·4	013·7	014·0	014·2	014·6	015·0	015·1	015·5	015·1	014·5	012·5
20	014·0	013·2	012·4	011·3	010·6	010·1	008·9	007·8	006·8	005·7	005·6	005·7	005·7	005·8	006·8	007·7	008·7	009·4	010·0	011·1	011·8	012·2	012·2	012·6	009·5
21	012·8	013·0	013·1	013·2	013·5	013·5	013·6	013·5	013·5	013·4	013·5	013·4	013·3	013·2	012·9	013·2	012·8	012·9	012·9	013·0	013·0	012·8	012·5	012·1	013·1
22	011·5	010·9	010·3	010·0	009·7	009·4	009·2	009·0	008·7	008·5	008·1	007·8	007·2	006·7	006·3	006·0	005·6	005·3	004·9	004·5	004·2	004·0	003·4	003·2	007·5
23	002·8	002·2	001·9	001·8	001·8	002·0	002·1	002·4	002·7	002·6	002·8	002·9	002·9	003·2	003·3	003·5	003·6	003·6	003·7	003·6	003·8	003·7	003·6	003·5	002·9
24	003·4	003·0	002·7	002·4	002·4	002·2	002·0	001·6	001·4	001·0	000·9	000·6	000·3	999·9	999·0	998·4	998·0	996·9	996·8	996·3	995·9	995·4	994·7	994·1	999·8
25	993·2	992·7	992·3	992·1	991·6	991·3	991·0	991·0	991·0	990·7	990·7	990·7	990·7	990·7	990·8	990·9	990·9	990·8	990·9	991·2	991·5	991·8	992·2	992·5	**991·4**
26	993·0	993·0	993·0	993·1	992·8	993·3	993·4	993·7	993·7	993·8	993·8	994·0	993·9	993·8	993·8	993·6	993·5	993·8	993·8	993·7	993·9	993·9	993·9	993·8	993·6
27	993·8	993·6	993·5	993·8	994·1	994·5	995·1	995·3	995·4	995·7	995·7	996·0	995·9	995·6	995·1	994·7	994·4	994·3	994·7	995·0	995·0	995·0	994·9	994·8	994·8
28	994·6	994·7	994·6	994·6	994·6	994·8	994·9	995·1	995·2	995·2	995·1	994·9	994·6	994·4	994·5	994·9	995·0	994·9	995·0	995·0	995·7	996·2	996·3	996·3	995·0
29	996·5	996·6	996·5	996·7	996·7	996·6	996·8	997·2	998·4	999·3	999·7	000·5	001·2	001·8	002·6	002·7	002·6	002·9	003·2	003·3	003·9	004·1	004·1	004·3	000·2
30	004·3	004·3	004·2	004·1	004·2	004·1	004·3	004·3	004·3	004·6	004·7	005·1	005·3	005·3	005·7	005·7	005·7	005·9	006·0	006·3	006·4	006·5	006·3	006·2	005·1
Mean (Station level)	**1008 ·99**	1008 ·82	1008 ·67	1008 ·66	1008 ·63	1008 ·70	1008 ·76	1008 ·79	1008 ·83	1008 ·80	1008 ·75	1008 ·70	1008 ·64	1008 ·58	1008 ·48	1008 ·44	**1008 ·41**	1008 ·45	1008 ·57	1008 ·68	1008 ·86	1008 ·94	1008 ·88	1008 ·81	1008 7·1
Mean (Sea level)	**1012 ·26**	1012 ·10	1011 ·95	1011 ·94	1011 ·90	1011 ·96	1012 ·02	1012 ·04	1012 ·08	1012 ·04	1011 ·99	1011 ·94	1011 ·87	1011 ·81	1011 ·71	1011 ·68	**1011 ·65**	1011 ·69	1011 ·81	1011 ·93	1012 ·12	1012 ·20	1012 ·15	1012 ·08	1011 ·96
G.M.T. ..	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings, in millibars, at exact hours, Greenwich Mean Time.

7. Aberdeen : H_b (Height of barometer cistern above M.S.L.) = 26·8 metres. **July, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	005·9	005·8	005·3	005·3	005·0	004·8	004·6	004·5	003·7	002·8	002·1	001·8	000·5	999·5	998·8	997·7	996·9	996·2	995·2	994·0	993·6	992·4	992·8	993·0	000·4
2	992·8	992·5	992·4	992·3	992·0	991·7	991·3	991·1	990·7	990·5	990·5	990·2	990·2	990·4	990·7	990·9	991·3	991·6	992·2	992·6	993·6	993·8	994·3	994·6	991·8
3	994·9	995·0	995·2	995·4	995·8	996·2	996·5	997·1	997·5	997·9	998·2	998·7	999·0	999·5	000·3	000·8	001·5	002·1	003·2	003·8	004·7	004·9	005·1	005·3	999·3
4	005·5	005·3	005·1	004·5	004·6	004·1	003·8	003·3	002·9	002·2	001·1	000·6	999·8	999·1	998·2	997·2	996·6	996·1	995·5	995·3	995·5	995·2	995·1	995·1	000·3
5	995·3	995·5	995·8	996·3	996·7	997·3	998·1	998·5	999·1	999·5	999·9	999·7	999·8	999·9	000·2	000·2	000·1	999·8	999·7	999·3	998·9	998·1	997·3	996·0	998·4
6	995·0	993·6	991·7	990·4	989·1	987·3	985·7	983·5	980·8	978·5	977·1	976·0	975·4	975·2	976·1	977·1	979·2	981·1	983·5	985·6	987·5	989·1	990·6	992·0	**984·3**
7	994·2	995·5	996·9	998·1	998·9	999·7	000·8	001·7	002·5	003·2	003·7	004·4	004·8	005·7	006·7	006·3	007·2	007·4	008·0	008·4	008·8	009·3	009·1	009·1	003·4
8	009·2	009·2	009·1	009·2	009·3	009·3	009·0	009·1	008·8	008·2	008·1	007·9	007·6	007·2	006·7	006·1	005·4	005·0	004·4	004·1	003·9	003·0	002·2	001·0	007·0
9	000·0	999·0	997·9	997·4	997·4	997·2	997·2	997·1	996·9	996·9	996·8	996·9	997·0	997·1	997·4	997·5	998·3	998·5	999·1	999·3	999·5	000·3	001·3	001·9	998·2
10	002·4	002·7	002·6	003·4	004·4	005·2	006·3	007·2	008·2	009·1	009·9	010·6	011·2	012·0	012·3	013·0	013·8	014·6	015·3	016·1	017·0	017·5	018·0	018·3	c10·1
11	018·5	018·6	018·8	019·3	019·6	020·1	020·5	020·7	020·8	020·8	020·8	020·8	020·7	020·4	019·9	019·6	019·2	019·1	019·0	019·0	019·1	019·1	018·9	018·5	**019·7**
12	018·1	017·8	017·5	017·2	017·1	016·8	016·5	016·3	016·4	016·0	015·6	015·4	015·3	015·0	014·5	013·8	013·5	013·2	013·0	013·3	013·3	012·9	012·7	012·2	015·3
13	011·6	011·1	010·4	009·9	009·7	008·9	008·6	008·3	007·8	007·1	006·4	005·9	005·3	004·8	003·9	003·2	002·5	001·6	000·9	000·2	999·8	999·7	999·6	999·5	005·5
14	999·4	998·9	998·9	998·8	998·8	998·6	998·7	999·0	999·3	999·2	999·1	999·0	999·0	999·0	999·2	999·0	999·2	999·3	999·4	999·4	999·8	000·0	999·8	999·6	999·2
15	999·6	999·4	999·4	999·4	999·4	999·6	999·8	999·9	000·1	000·4	000·4	000·4	000·4	000·7	000·9	000·9	001·2	001·5	001·8	002·2	002·4	002·5	002·5	002·4	000·7
16	002·5	002·6	002·9	003·1	003·4	003·7	004·1	004·5	004·8	005·2	005·1	005·2	005·3	005·5	005·8	005·8	006·0	006·4	006·7	006·7	006·9	007·1	007·2	007·2	005·1
17	007·3	007·2	007·2	007·2	007·3	007·4	007·5	007·6	007·8	007·9	007·9	007·7	007·8	008·0	008·0	008·2	008·1	008·2	008·4	008·7	008·8	008·9	008·8	008·7	007·9
18	008·7	008·5	008·6	008·4	008·4	008·4	008·4	008·8	008·9	008·9	009·1	009·4	009·3	009·4	009·6	009·7	009·8	010·1	010·4	010·7	011·0	011·3	011·3	011·5	009·5
19	011·6	011·4	011·5	011·6	011·7	011·9	012·0	012·2	012·4	012·9	012·8	012·8	012·8	012·8	012·9	012·9	012·7	013·0	013·3	013·4	013·4	013·3	013·1	012·9	012·5
20	013·0	012·5	011·9	011·5	011·0	010·6	010·2	009·6	009·1	008·5	007·9	007·3	006·2	006·3	005·5	004·9	003·8	002·6	002·8	002·4	002·1	001·8	002·0	002·4	007·1
21	002·5	002·7	003·0	003·2	003·0	003·0	003·1	003·1	002·8	003·0	002·9	002·6	002·5	002·2	001·9	001·8	002·0	002·2	002·7	003·3	003·9	004·5	004·8	005·0	002·9
22	005·3	005·5	005·6	005·9	005·9	006·6	006·8	007·0	007·6	007·7	007·9	008·1	008·2	008·1	008·1	008·1	008·0	008·0	007·9	008·2	008·3	008·3	008·3	008·1	007·3
23	008·0	007·9	007·8	007·7	007·5	007·6	007·8	007·8	007·9	008·1	008·1	008·1	008·1	008·0	008·2	008·3	008·4	008·6	008·7	008·9	009·3	009·4	009·4	009·5	008·3
24	009·7	009·7	009·8	010·0	010·1	010·1	010·3	010·3	010·3	010·7	011·1	011·2	011·8	011·9	012·1	012·2	012·3	012·5	013·0	013·3	013·7	014·2	014·3	014·5	011·5
25	014·5	014·5	014·5	014·8	014·9	015·0	015·4	015·7	015·8	016·0	016·2	016·4	016·6	016·5	016·5	016·3	016·0	016·0	016·2	016·4	016·5	016·5	016·0	015·6	015·8
26	015·0	014·2	013·8	013·0	012·3	011·5	010·7	010·2	009·3	008·6	007·9	007·4	006·7	006·3	005·8	005·1	004·6	004·3	004·3	004·7	005·2	006·3	007·0	007·5	008·6
27	008·0	008·6	008·9	009·4	010·1	010·6	011·0	011·5	011·7	011·9	012·0	012·1	012·1	012·4	012·6	012·7	012·7	013·2	013·5	013·9	014·2	014·6	014·7	014·8	011·8
28	014·7	014·8	014·8	015·3	015·5	015·3	015·5	015·7	015·8	015·8	015·8	015·6	015·4	015·5	015·3	014·9	014·4	014·2	014·3	014·3	014·0	013·9	013·6	013·4	014·9
29	012·8	012·2	011·1	010·2	009·3	008·6	008·1	006·9	006·2	004·6	003·9	003·2	002·2	000·7	000·7	000·5	000·4	000·5	000·8	001·4	002·0	002·1	002·8	003·4	005·0
30	003·7	004·1	004·4	004·6	004·7	004·9	005·1	005·2	005·1	004·8	004·5	004·2	004·0	003·4	003·4	003·4	003·4	003·4	003·5	003·6	003·6	003·3	003·0	002·5	004·0
31	002·4	001·8	001·3	000·6	000·5	000·3	000·1	000·2	000·2	999·9	999·8	999·5	999·5	998·9	999·0	998·9	998·8	999·3	999·6	000·0	000·7	001·2	001·5	001·6	000·3
Mean (Station level)	**1005** ·87	1005 ·75	1005 ·62	1005 ·59	1005 ·59	1005 ·56	1005 ·60	1005 ·60	1005 ·52	1005 ·38	1005 ·25	1005 ·13	1004 ·98	1004 ·88	1004 ·88	**1004** ·74	1004 ·75	1004 ·83	1005 ·04	1005 ·24	1005 ·52	1005 ·63	1005 ·71	1005 ·71	1005 ·35
Mean (Sea level)	**1009** ·12	1009 ·01	1008 ·88	1008 ·85	1008 ·85	1008 ·81	1008 ·84	1008 ·84	1008 ·75	1008 ·61	1008 ·47	1008 ·35	1008 ·20	1008 ·10	1008 ·10	**1007** ·96	1007 ·97	1008 ·05	1008 ·27	1008 ·47	1008 ·76	1008 ·87	1008 ·96	1008 ·96	1008 ·59

8. Aberdeen : H_b = 26·8 metres. **August, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	001·9	002·1	002·2	002·3	002·2	002·4	002·6	003·0	003·4	003·6	003·8	004·6	004·8	005·0	005·5	005·7	006·0	006·1	006·6	006·9	007·1	007·4	007·8	008·0	004·5
2	008·2	008·2	008·2	008·4	008·7	009·0	009·2	009·5	009·6	010·3	010·4	010·6	010·7	010·9	011·0	011·2	011·4	011·4	011·7	011·8	011·9	012·0	012·0	010·2	010·2
3	011·9	011·7	011·8	011·7	011·7	012·0	012·1	012·3	012·4	012·5	012·6	012·6	012·6	012·6	012·5	012·7	012·7	013·0	013·2	013·4	013·5	013·6	013·7	013·6	012·6
4	013·4	013·3	013·2	013·2	013·3	013·4	013·8	014·0	014·3	014·3	014·4	014·9	015·1	015·1	015·1	015·2	015·3	015·4	015·5	015·8	016·0	016·1	016·1	016·2	014·6
5	016·1	015·8	015·6	015·4	015·4	015·4	015·4	015·4	015·4	015·0	014·9	014·9	014·8	014·6	014·1	013·8	013·5	013·4	013·3	013·2	013·2	013·1	013·0	012·8	014·5
6	012·4	012·1	011·8	011·5	011·4	011·2	011·2	011·2	011·1	011·0	010·8	010·7	010·5	010·4	010·1	009·7	009·7	009·6	009·7	009·8	009·8	009·8	009·7	009·7	010·7
7	009·7	009·5	009·3	009·3	009·3	009·4	009·5	009·5	009·6	009·6	009·7	009·7	009·7	009·8	009·7	009·6	009·5	009·5	009·6	009·7	009·6	009·4	009·3	009·1	009·5
8	009·0	008·6	008·3	007·7	007·6	007·7	007·8	007·9	008·0	008·1	008·1	008·1	007·9	007·8	007·7	007·8	007·5	007·3	007·4	007·5	007·8	007·9	007·9	007·8	007·9
9	008·0	008·0	008·0	008·3	008·3	008·5	008·8	009·2	009·5	010·0	010·4	010·7	011·3	011·9	012·2	012·3	012·7	013·1	013·5	014·0	014·5	014·7	014·9	015·1	011·0
10	015·4	015·8	016·0	016·1	016·7	017·0	017·5	017·9	018·4	018·9	019·1	019·4	019·7	019·7	019·9	020·0	020·0	020·2	020·4	020·6	020·7	020·6	020·9	020·9	**018·7**
11	020·8	020·5	020·4	020·3	020·4	020·4	020·4	020·3	020·1	019·9	019·5	019·2	018·9	018·5	018·2	017·6	016·8	016·6	016·3	016·0	015·7	015·2	014·6	014·2	018·5
12	013·4	013·0	012·5	012·0	011·6	011·0	010·4	009·9	009·2	008·5	008·1	007·6	006·8	006·0	005·1	004·3	003·3	002·4	002·1	001·7	001·5	001·3	001·4	001·5	007·1
13	001·7	001·7	001·7	001·5	001·6	001·9	002·0	002·2	002·3	002·3	002·5	002·6	003·0	003·2	003·4	003·9	004·0	004·0	004·4	004·9	005·4	005·8	005·9	006·3	003·2
14	006·6	006·8	007·0	007·1	007·3	007·8	008·4	008·7	008·9	009·1	009·0	009·0	009·4	009·7	009·7	009·6	009·5	009·6	009·9	009·9	010·0	010·0	009·9	009·7	008·8
15	009·4	009·3	009·2	009·0	008·9	008·9	008·9	008·8	008·6	008·4	008·4	008·1	008·1	008·1	008·2	008·3	008·1	008·0	007·8	007·7	007·9	007·7	007·6	007·1	008·4
16	006·7	006·2	005·8	005·5	005·0	004·8	004·4	004·0	003·6	003·2	002·8	002·7	002·4	002·1	001·7	001·4	001·6	001·7	002·3	002·5	002·8	003·1	002·8	002·3	003·5
17	001·4	000·8	999·7	998·9	997·9	997·4	997·1	996·7	996·4	996·1	995·8	995·7	995·9	995·9	996·4	996·3	997·0	997·7	998·8	000·4	001·3	002·4	003·2	004·0	998·4
18	004·6	005·1	005·3	005·3	005·5	006·0	006·2	006·5	007·1	007·7	008·1	008·5	009·0	009·7	010·6	011·0	011·7	012·2	012·9	013·6	014·1	014·8	014·8	015·1	009·2
19	015·5	015·5	015·5	015·6	015·6	015·6	015·7	015·7	015·6	015·5	015·3	014·8	014·3	013·6	013·1	012·9	012·5	012·7	012·8	012·9	013·0	012·8	012·6	012·3	014·3
20	012·1	011·5	011·4	010·8	010·4	010·5	010·6	010·9	011·0	011·4	011·4	011·7	011·8	011·7	011·9	012·0	012·2	012·4	012·7	013·1	013·3	013·4	013·5	013·6	011·9
21	013·5	013·6	013·6	013·3	013·6	013·5	013·7	014·1	013·7	013·8	013·7	013·5	013·4	013·2	012·8	012·6	012·2	012·1	012·0	012·0	011·5	011·0	010·6	010·2	012·9
22	009·4	008·9	008·3	007·5	007·1	006·4	006·2	005·8	005·5	005·1	004·7	003·7	002·9	002·4	001·8	000·8	999·9	999·1	998·4	997·3	996·1	995·1	993·8	992·7	002·8
23	991·6	991·2	991·3	992·4	993·4	994·0	994·8	995·6	996·0	996·3	997·0	997·5	998·4	999·4	999·9	000·6	001·1	002·0	002·5	003·2	003·6	004·0	004·3	004·5	997·9
24	004·3	004·6	004·2	003·9	003·8	003·7	003·3	003·1	002·6	002·2	001·2	000·8	000·3	000·0	999·2	998·5	997·7	997·2	997·2	997·1	997·0	997·3	997·4	997·4	000·7
25	998·1	998·7	998·6	999·1	999·8	000·3	001·0	001·6	002·3	002·9	003·0	003·4	004·3	004·3	004·6	004·9	005·1	005·5	006·1	007·0	008·0	008·3	008·7	008·8	003·3
26	009·2	009·0	009·1	010·0	010·1	010·5	011·0	011·2	011·7	011·9	011·9	011·3	010·8	010·1	009·8	009·4	008·7	008·1	007·6	007·1	006·3	006·0	005·0	004·4	009·3
27	004·0	003·3	002·3	001·9	001·9	002·2	002·1	002·0	001·7	001·2	001·0	001·7	002·0	002·3	002·8	003·2	003·7	004·2	004·7	005·0	004·9	005·5	002·9
28	005·2	005·4	005·5	005·5	005·7	006·1	006·7	007·1	007·7	007·7	007·6	007·7	007·6	007·5	007·5	007·4	007·4	007·6	007·8	008·1	007·6	007·7	007·2	006·9	007·0
29	006·2	005·7	005·4	004·7	004·4	004·2	003·9	003·5	002·7	001·9	001·2	000·6	000·1	999·6	998·7	998·6	998·3	998·2	998·3	998·2	998·1	998·2	997·8	997·5	001·3
30	996·5	996·2	996·2	995·9	995·6	995·8	995·9	995·8	995·9	995·5	994·7	994·2	994·1	994·8	994·4	994·1	993·8	994·2	994·1	994·1	994·9	995·1	995·5	995·2	**995·2**
31	995·2	995·0	995·0	995·1	995·3	995·7	995·9	996·0	996·0	996·2	996·3	996·7	996·7	996·6	996·8	997·0	998·3	998·9	999·2	999·9	000·4	000·8	001·1	001·1	997·2
Mean (Station level)	1007 ·46	1007 ·33	1007 ·17	**1007** ·07	1007 ·08	1007 ·18	1007 ·31	1007 ·40	1007 ·43	1007 ·44	1007 ·34	1007 ·31	1007 ·32	1007 ·30	1007 ·22	1007 ·18	1007 ·12	1007 ·10	1007 ·35	1007 ·55	1007 ·65	**1007** ·73	1007 ·67	1007 ·60	1007 ·35
Mean (Sea level)	1010 ·73	1010 ·59	1010 ·43	**1010** ·33	1010 ·34	1010 ·44	1010 ·56	1010 ·64	1010 ·67	1010 ·67	1010 ·57	1010 ·54	1010 ·55	1010 ·53	1010 ·45	1010 ·41	1010 ·35	1010 ·42	1010 ·59	1010 ·80	1010 ·90	**1010** ·98	1010 ·93	1010 ·86	1010 ·59
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

9. Aberdeen : H*b* (height of barometer cistern above M.S.L.) = 26·8 metres. **September, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	001·5	001·8	002·3	002·3	002·8	003·1	003·8	004·3	004·8	005·4	005·5	005·6	005·7	005·7	005·8	006·4	006·7	006·9	007·5	007·6	007·7	007·8	007·8	008·5	005·2
2	008·9	009·0	009·3	009·4	009·6	010·0	010·5	010·7	011·2	011·6	011·6	011·8	012·2	012·2	012·5	012·4	012·6	012·8	013·2	013·5	013·5	013·4	013·4	013·6	011·5
3	013·5	013·4	013·5	013·6	014·0	014·4	015·0	015·4	015·9	016·4	016·7	017·1	017·3	017·7	018·0	018·3	019·2	019·6	020·4	020·9	021·2	021·1	021·4	021·5	017·1
4	021·7	021·9	021·9	022·1	022·3	022·4	022·3	023·0	023·1	023·1	023·0	022·9	022·8	022·6	022·5	022·5	022·5	022·3	022·5	022·6	022·7	022·5	022·7	022·6	022·5
5	022·5	022·5	022·3	021·8	021·3	021·3	021·4	021·7	021·8	021·9	021·7	021·5	021·3	021·0	020·7	020·3	020·4	020·5	020·5	020·9	020·9	020·8	020·9	020·9	021·3
6	020·8	021·4	021·7	022·2	022·7	023·4	024·3	024·9	025·5	025·8	026·1	026·3	026·4	026·5	026·5	026·3	026·4	026·5	026·7	027·0	027·0	027·0	026·9	026·7	025·1
7	026·5	026·3	026·2	026·0	026·1	026·2	026·4	026·7	027·3	027·3	027·2	027·3	027·3	027·2	027·4	027·2	027·4	027·5	028·1	028·2	028·2	028·2	028·1	028·0	027·2
8	028·0	027·6	027·2	026·9	026·8	026·8	026·6	026·9	028·0	028·6	029·0	029·1	029·5	029·5	029·7	029·9	030·1	030·2	030·1	030·4	030·6	030·5	030·5	030·4	**028·8**
9	030·3	029·9	029·8	029·5	029·6	029·8	029·9	029·7	029·5	029·1	028·7	028·3	028·1	027·7	027·5	027·3	027·0	027·2	027·2	027·0	026·7	026·4	026·1	025·6	028·3
10	025·7	025·4	025·0	024·5	024·0	023·6	023·4	023·4	023·3	022·5	021·6	021·3	021·0	020·4	019·6	019·2	018·6	018·0	017·8	017·9	017·4	017·1	016·5	016·2	021·2
11	015·5	015·1	014·3	013·6	012·9	012·7	012·1	011·9	011·6	010·8	009·9	009·3	008·5	007·6	006·5	005·7	004·9	004·4	004·1	004·1	003·7	002·9	002·2	001·3	008·9
12	000·8	999·9	999·1	998·2	997·1	996·6	995·8	995·1	994·3	993·5	992·8	991·7	991·2	990·1	989·4	988·6	988·3	988·3	988·3	988·1	988·0	987·9	987·6	987·5	992·7
13	986·9	986·6	986·6	986·4	986·2	986·2	986·3	986·6	986·7	986·6	986·7	986·7	986·7	987·0	987·0	987·4	987·5	987·7	988·2	988·5	988·5	989·0	989·2	989·4	**987·2**
14	989·3	989·5	989·5	989·7	990·0	990·3	990·9	991·5	991·9	992·5	993·0	993·3	993·8	994·3	995·0	995·9	996·7	997·5	998·6	999·3	999·6	999·9	000·2	000·6	994·1
15	001·3	001·8	002·5	002·9	003·7	004·5	005·5	006·2	007·1	007·7	008·4	009·0	009·9	010·2	010·6	011·0	011·4	011·8	012·2	012·6	012·6	012·3	011·3	011·2	008·0
16	010·3	009·5	008·0	006·5	005·3	004·3	003·4	002·0	000·9	999·8	998·4	996·8	995·9	995·0	993·1	991·8	989·7	990·0	989·3	988·6	989·0	990·0	990·2	990·3	997·8
17	990·4	990·4	990·7	990·7	991·1	990·9	991·0	991·1	991·2	991·0	990·9	990·8	991·5	993·0	995·2	997·7	000·0	001·9	004·0	005·5	006·8	007·9	008·9	009·6	995·9
18	010·4	010·9	011·4	011·6	011·9	012·3	013·1	013·5	013·8	013·8	013·7	013·3	013·2	013·1	013·3	013·5	013·5	013·6	013·6	013·6	013·3	012·8	012·1	011·4	012·7
19	010·5	009·5	008·3	007·1	005·8	004·0	002·5	000·5	999·3	997·4	996·7	995·5	993·9	992·9	992·5	991·9	991·2	991·0	990·3	990·0	989·2	988·9	989·5	989·6	997·5
20	990·3	992·2	995·3	997·7	999·6	001·7	004·5	006·2	007·9	009·1	009·7	010·3	010·9	011·1	011·6	011·9	012·5	012·4	013·9	014·1	014·4	014·4	014·8	014·8	007·1
21	014·8	014·8	014·7	014·7	015·1	015·0	015·7	015·9	016·4	017·2	017·4	017·7	018·2	018·5	018·7	019·1	019·4	019·7	020·0	020·2	020·4	020·3	020·2	019·9	017·6
22	019·9	019·7	019·3	018·9	018·5	018·4	018·4	018·5	018·2	017·7	017·7	017·7	017·7	017·7	017·9	017·9	018·0	018·3	018·7	019·0	019·3	019·6	019·9	020·1	018·6
23	020·3	020·5	020·5	020·5	020·6	020·6	020·8	020·9	021·2	021·0	020·9	020·7	020·5	019·7	019·1	018·7	018·1	017·8	017·5	017·4	016·9	016·6	016·0	015·3	019·4
24	014·6	013·7	012·9	012·6	012·0	011·7	011·5	011·3	011·0	010·8	010·5	010·3	009·8	009·6	009·0	008·5	008·1	008·1	008·1	008·1	008·4	008·4	008·4	008·2	010·4
25	008·1	007·9	007·7	007·5	007·4	007·4	007·4	007·5	007·5	007·4	007·3	007·0	006·6	006·6	006·6	006·6	006·1	005·9	006·0	006·1	006·0	006·0	005·6	005·1	004·6	006·8
26	004·0	003·8	003·5	003·1	002·9	002·6	002·4	002·4	002·5	002·0	001·9	001·7	001·6	001·2	000·9	000·6	000·7	000·3	000·2	000·3	000·8	001·2	001·4	001·6	001·9
27	001·7	001·7	001·6	001·9	002·2	002·7	003·3	004·1	004·3	004·8	005·0	005·3	005·5	005·4	005·5	005·6	006·0	006·3	006·9	007·1	007·3	007·2	007·2	006·9	004·7
28	006·8	006·6	006·3	005·7	005·5	005·3	005·3	005·4	005·2	004·9	004·6	004·2	004·0	003·4	003·0	002·8	002·7	002·5	002·4	002·3	002·6	003·0	003·1	003·8	004·3
29	004·7	005·5	005·9	006·2	007·0	007·7	008·8	009·6	010·5	011·4	011·8	012·7	013·1	013·8	014·5	015·3	015·9	016·2	016·8	017·4	017·4	017·6	018·2	018·3	012·0
30	017·8	017·8	017·5	017·5	017·3	017·3	017·0	017·2	017·2	017·0	016·6	016·2	016·0	015·7	015·2	014·6	014·0	013·9	013·7	013·2	012·6	011·7	011·3	010·8	015·5
Mean (Station level)	1010 ·59	1010 ·55	1010 ·49	**1010 ·38**	**1010 ·38**	1010 ·44	1010 ·64	1010 ·80	1010 ·97	1010 ·94	1010 ·83	1010 ·71	1010 ·67	1010 ·55	1010 ·49	1010 ·48	1010 ·51	1010 ·67	1010 ·90	1011 ·05	**1011 ·09**	1011 ·07	1011 ·04	1010 ·97	1010 ·71
Mean (Sea level)	1013 ·88	1013 ·84	1013 ·78	**1013 ·67**	**1013 ·67**	1013 ·73	1013 ·93	1014 ·08	1014 ·24	1014 ·20	1014 ·09	1013 ·96	1013 ·92	1013 ·80	1013 ·74	1013 ·73	1013 ·77	1013 ·93	1014 ·17	1014 ·32	**1014 ·37**	1014 ·35	1014 ·32	1014 ·26	1013 ·98

10. Aberdeen : H*b* = 26·8 metres. **October, 1922.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	010·7	010·5	010·4	010·3	010·6	011·0	011·5	012·1	012·6	012·8	012·9	013·1	013·1	013·1	013·0	012·8	012·7	012·6	012·5	012·2	011·8	011·3	010·7	010·5	011·9
2	009·8	009·5	009·4	009·0	008·6	008·5	008·8	008·7	008·7	008·8	008·5	008·3	008·4	008·2	008·5	008·4	008·7	009·3	009·5	009·8	010·0	010·1	010·2	010·3	009·1
3	010·2	010·1	010·1	009·9	010·0	010·0	010·1	010·2	010·3	010·2	010·2	010·1	009·9	009·5	009·4	009·2	009·2	009·2	009·1	009·1	009·0	009·0	009·0	008·5	009·7
4	007·7	007·3	006·9	006·5	006·2	006·0	006·0	006·3	006·4	006·4	006·4	006·3	006·5	006·3	006·2	006·2	006·2	006·1	006·1	005·9	005·8	005·3	005·3	004·8	006·3
5	004·7	004·3	003·8	003·5	003·6	003·6	003·6	003·9	004·0	004·5	004·6	005·0	005·5	006·1	006·9	007·8	008·7	010·0	011·3	012·4	013·5	014·5	015·4	016·4	007·2
6	017·0	017·7	018·1	018·7	019·3	020·1	020·8	021·4	022·2	022·7	022·9	023·4	023·5	023·6	023·6	023·7	024·0	024·4	024·7	024·8	025·0	025·2	025·3	025·3	022·2
7	025·5	025·7	025·6	025·5	025·7	025·8	025·9	026·5	026·8	026·7	026·7	026·6	026·4	026·2	026·2	026·3	026·4	026·8	026·8	027·1	027·2	027·0	026·9	027·0	026·4
8	026·9	026·9	026·9	026·7	026·8	026·9	027·1	027·2	027·2	027·3	027·3	027·1	026·8	026·7	026·6	026·6	026·6	026·7	026·7	026·7	026·7	026·7	026·6	026·6	026·9
9	026·6	026·4	026·0	025·6	025·3	025·0	025·0	024·9	025·0	024·7	024·5	024·0	023·7	023·4	023·1	022·9	022·9	022·9	022·9	022·9	022·8	022·6	022·5	022·4	024·2
10	022·0	021·7	021·3	021·2	021·2	021·1	021·0	021·0	021·0	021·0	020·7	020·5	020·1	019·7	019·2	019·0	018·8	018·8	018·7	018·5	018·4	018·0	017·6	017·3	020·0
11	016·8	016·0	015·4	014·9	014·5	014·1	013·6	013·4	013·1	012·8	012·2	011·4	010·6	010·2	009·6	009·1	008·9	008·7	008·6	008·0	007·8	007·1	007·2	007·1	011·5
12	006·8	006·9	006·5	006·3	006·7	006·7	007·6	008·3	008·9	009·1	009·5	009·7	009·7	009·8	009·8	009·9	010·2	010·6	010·7	010·6	010·6	010·9	011·0	011·5	009·0
13	012·2	012·8	013·3	013·7	014·5	014·8	015·1	015·6	015·8	016·0	015·7	015·7	015·5	015·0	015·0	015·1	015·2	015·1	014·9	014·8	014·9	014·7	014·1	014·1	014·7
14	013·9	014·0	013·7	013·6	013·7	014·0	014·1	013·9	014·0	013·8	014·0	013·9	013·4	013·5	013·6	014·3	014·4	015·0	015·4	015·7	015·6	016·1	016·2	016·4	014·4
15	016·3	016·2	016·2	016·4	016·4	016·7	017·0	017·2	017·5	017·6	017·6	017·5	017·4	017·2	017·3	017·5	018·1	018·6	019·2	019·3	019·9	020·2	020·2	020·4	017·7
16	020·4	020·4	020·3	020·5	020·7	021·1	021·7	022·0	022·3	022·4	022·3	022·5	022·4	022·3	022·0	022·2	022·2	022·4	022·4	022·6	022·5	022·4	022·3	022·6	021·8
17	022·3	022·4	022·3	022·2	022·2	022·3	022·5	023·0	023·2	023·4	023·6	023·6	023·8	023·7	023·7	023·6	023·9	024·5	024·9	025·4	025·9	026·0	026·2	026·5	023·7
18	026·8	027·1	027·0	027·2	027·3	027·6	027·9	028·5	028·8	029·2	029·4	029·4	029·6	029·6	029·7	029·7	029·8	030·2	030·4	030·7	030·8	031·1	031·1	031·0	029·1
19	031·0	031·1	031·0	030·9	031·1	031·3	031·4	031·7	031·7	031·8	031·7	031·6	031·1	030·7	030·2	029·9	029·6	029·6	029·5	029·3	029·1	028·9	028·5	028·1	**030·5**
20	027·7	027·2	026·5	026·1	025·4	025·3	025·2	025·2	025·1	024·8	024·4	024·2	023·5	023·0	022·3	022·0	021·9	022·2	022·5	022·4	022·4	022·7	022·6	022·5	024·2
21	022·4	022·5	022·5	022·5	022·6	022·9	023·4	023·9	024·4	024·7	024·8	024·9	024·6	024·4	024·3	024·2	024·0	024·1	024·0	023·8	023·7	023·4	023·0	022·6	023·7
22	022·4	022·1	021·5	020·9	020·7	020·5	020·5	020·7	020·8	020·6	020·7	020·7	020·6	020·5	020·2	020·0	020·0	020·0	020·0	020·0	019·9	019·7	019·5	019·2	020·6
23	019·0	018·6	018·4	018·1	018·1	017·8	017·8	017·8	018·0	017·5	017·8	017·7	017·5	017·4	017·3	017·5	017·4	017·6	017·8	017·7	017·7	017·8	017·6	017·7	017·9
24	018·0	018·0	018·2	018·3	018·5	018·9	019·3	019·7	020·1	020·4	020·4	020·4	020·6	020·7	020·9	021·0	021·1	021·4	021·7	022·0	02·22	022·2	022·1	022·2	020·3
25	022·3	022·2	022·0	022·0	021·9	021·9	022·0	022·1	022·3	022·1	022·1	021·9	021·7	021·4	021·2	021·1	021·1	021·2	021·2	021·1	021·1	021·0	020·9	020·7	021·6
26	020·6	020·5	020·3	019·9	019·6	019·4	019·4	019·3	019·2	019·1	018·9	018·5	018·0	017·6	017·2	016·9	016·8	016·6	016·2	015·9	015·7	015·5	015·0	014·8	018·1
27	014·3	014·1	013·7	013·7	013·7	013·4	013·9	014·4	014·8	015·1	015·4	015·7	015·7	016·1	016·3	016·9	017·5	018·3	019·0	019·4	019·7	019·7	020·1	020·3	016·2
28	020·7	020·9	021·1	021·3	021·6	021·9	022·4	022·7	022·9	023·0	023·1	023·0	023·2	023·1	022·7	022·6	022·5	022·7	022·7	022·7	022·6	022·4	021·9	021·7	022·3
29	020·8	020·4	019·9	019·2	018·5	018·0	017·7	017·6	017·3	017·0	016·5	015·7	014·8	013·9	013·3	012·6	012·4	012·1	011·9	011·8	011·3	010·8	010·3	009·8	015·4
30	009·4	009·2	008·7	008·4	008·1	008·0	008·2	008·4	008·5	008·5	008·3	008·2	008·0	008·0	008·0	008·1	008·2	008·5	008·6	008·5	008·7	008·6	008·2	008·0	008·4
31	007·7	007·5	007·5	007·1	006·8	006·8	006·8	007·2	007·4	007·4	007·1	006·7	006·0	005·5	005·3	004·5	003·7	003·4	002·2	001·5	000·8	999·4	997·9	996·0	**004·9**
Mean (Station level)	1017 ·84	1017 ·75	1017 ·56	1017 ·42	**1017 ·42**	1017 ·46	1017 ·65	1017 ·90	1018 ·07	**1018 ·11**	1018 ·07	1017 ·98	1017 ·79	1017 ·63	1017 ·50	1017 ·47	1017 ·52	1017 ·73	1017 ·81	1017 ·83	1017 ·84	1017 ·75	1017 ·59	1017 ·49	1017 ·73
Mean (Sea level)	1021 ·15	1021 ·08	1020 ·89	1020 ·75	**1020 ·75**	1020 ·79	1020 ·99	1021 ·23	1021 ·39	**1021 ·42**	1021 ·38	1021 ·28	1021 ·09	1020 ·93	1020 ·80	1020 ·78	1020 ·83	1021 ·05	1021 ·13	1021 ·15	1021 ·16	1021 ·07	1020 ·91	1020 ·82	1021 ·05
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

Note.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

11. Aberdeen : H_b (height of barometer cistern above M.S.L.) = 26·8 metres. **November, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	994·8	993·6	992·3	990·6	988·9	987·3	985·8	984·7	983·8	982·2	980·4	979·0	977·9	977·7	977·6	977·3	978·1	979·8	981·5	982·2	982·9	983·7	985·0	986·4	984·1
2	987·1	987·5	977·8	988·3	988·6	988·7	989·2	990·0	990·3	990·2	990·3	990·1	990·3	990·6	990·7	990·6	990·9	991·4	991·2	991·1	991·1	991·1	991·3	991·1	989·9
3	990·7	990·6	990·1	990·1	989·6	989·4	989·4	989·8	989·7	990·2	990·4	990·8	991·0	991·2	991·1	991·4	991·8	992·3	992·9	993·2	993·5	993·5	993·5	993·8	991·2
4	993·6	993·7	994·0	994·2	994·6	995·5	996·2	997·1	998·0	998·9	000·0	000·1	001·4	002·1	002·7	003·6	004·3	005·4	005·9	006·4	007·3	007·5	007·7	008·1	000·5
5	008·2	008·3	008·4	008·1	007·9	007·6	007·6	007·5	007·2	006·6	006·2	005·3	004·5	003·7	002·7	001·6	000·2	999·0	997·9	996·3	995·0	993·9	992·7	991·2	003·2
6	989·9	988·7	987·6	986·4	985·1	984·4	983·6	983·0	982·6	982·0	981·5	980·6	980·1	979·7	979·5	979·4	979·5	979·6	979·7	979·8	980·2	980·8	981·3	981·9	**982·6**
7	982·3	982·9	983·6	984·2	985·1	985·8	986·8	988·0	988·9	989·7	990·5	991·1	991·8	992·5	992·9	994·0	995·0	996·1	996·8	997·5	997·9	998·5	999·0	999·3	999·9
8	999·5	999·7	999·8	000·1	000·0	000·2	000·1	000·2	000·3	000·6	000·4	000·2	000·2	000·3	000·5	000·7	001·1	001·7	002·3	003·1	004·1	005·1	006·5	007·5	001·3
9	008·6	010·0	010·5	011·7	013·1	014·2	015·3	016·2	017·0	017·5	017·7	018·1	018·3	018·2	018·1	017·8	017·6	017·6	016·4	015·8	014·8	013·7	012·7	011·5	015·0
10	010·0	008·4	006·7	005·3	004·3	002·9	003·0	002·2	002·0	001·2	000·4	999·5	998·8	998·5	998·3	998·9	999·6	000·3	001·5	002·4	003·9	005·8	006·9	008·2	002·9
11	009·6	011·1	012·3	013·4	014·0	015·5	016·4	017·1	018·0	018·7	019·3	019·8	019·9	019·9	020·1	020·5	021·2	021·8	021·4	021·2	021·4	021·1	020·8	020·8	017·9
12	020·5	020·3	020·5	020·3	020·3	020·2	020·3	020·9	020·9	020·0	020·2	020·0	019·8	019·8	019·5	019·4	019·7	019·6	019·6	019·5	019·6	019·3	019·4	020·0	020·0
13	020·4	020·5	020·7	020·9	021·3	021·6	021·6	022·0	022·4	022·7	023·1	023·2	023·5	023·6	023·8	024·3	024·6	024·9	025·0	025·0	024·9	024·4	024·1	023·3	022·9
14	022·9	022·6	022·1	021·6	021·8	021·8	022·2	022·4	022·6	022·9	023·6	024·1	024·7	026·8	028·1	029·5	030·8	031·5	032·4	033·1	034·0	034·7	035·2	035·8	026·7
15	036·1	036·2	036·2	036·3	036·5	036·6	036·5	036·9	037·4	037·3	037·4	037·0	036·3	035·9	035·7	035·5	035·7	035·7	035·7	035·7	035·7	035·5	035·5	035·8	**036·2**
16	035·7	035·9	035·7	035·4	034·4	034·5	034·7	034·4	034·0	033·8	033·5	032·9	032·5	032·2	031·8	031·8	032·0	031·9	031·3	031·2	030·5	030·1	029·8	029·7	033·0
17	029·4	029·2	028·8	028·6	028·0	027·9	027·7	027·6	026·9	026·7	026·5	026·0	025·8	025·6	025·4	025·2	025·0	024·3	024·0	023·3	022·9	022·7	022·3	022·0	026·1
18	021·7	021·6	021·3	021·3	021·4	021·8	022·0	022·1	022·6	022·9	022·9	022·7	022·7	022·7	022·7	022·8	022·8	022·9	023·0	023·1	023·2	023·1	022·9	023·0	022·4
19	022·3	022·2	021·9	022·1	022·2	022·2	021·6	021·6	021·3	021·0	020·5	020·3	020·2	019·6	019·6	019·6	019·7	019·8	020·0	019·8	019·8	019·9	020·1	020·1	020·8
20	020·1	020·3	020·3	020·3	020·5	020·5	020·8	021·2	021·5	021·8	021·9	022·0	022·0	022·2	022·3	022·9	023·1	023·9	024·2	024·5	024·8	025·1	025·1	025·3	022·3
21	025·4	025·4	025·5	025·5	025·5	025·6	025·8	026·1	026·4	026·5	026·4	026·0	025·8	025·5	025·2	025·1	025·4	025·2	025·2	025·0	024·5	024·3	024·1	023·7	025·4
22	023·1	022·9	022·3	021·9	021·4	021·1	021·2	021·6	021·8	021·8	021·8	021·6	021·5	021·4	021·2	021·2	021·2	021·2	020·8	020·6	020·1	019·6	019·6	019·8	021·4
23	019·2	018·4	017·9	017·2	016·8	016·7	017·0	018·5	019·0	019·5	019·6	019·4	019·4	018·9	018·8	019·1	019·3	019·8	020·2	021·5	022·9	023·7	024·8	025·4	019·6
24	026·2	026·7	027·3	027·8	028·4	028·0	029·7	030·6	031·1	032·3	032·9	033·3	033·7	034·0	034·6	035·3	035·9	036·3	036·5	036·9	037·1	037·1	036·9	036·6	032·5
25	036·3	036·1	035·8	035·1	034·3	033·8	032·8	031·7	030·1	028·5	027·1	025·5	024·1	023·3	022·4	021·7	021·4	020·4	019·7	018·7	017·3	016·6	016·3	015·4	026·5
26	014·7	014·5	015·2	015·7	016·3	016·8	017·4	017·9	018·7	019·2	019·2	019·6	019·9	020·3	020·8	021·6	021·9	022·9	022·9	023·6	023·5	023·9	024·2	024·3	019·6
27	024·0	024·3	024·3	024·2	024·2	024·2	024·4	024·6	024·5	024·4	024·1	023·5	023·0	022·5	021·9	021·2	020·6	020·3	020·1	019·4	018·5	017·7	017·0	015·4	022·2
28	013·8	012·5	011·3	010·8	010·4	009·9	010·3	010·7	011·0	010·4	010·0	009·3	008·6	008·5	008·1	007·6	007·6	007·0	006·7	006·1	005·9	006·9	006·6	006·9	009·2
29	007·3	007·4	007·4	008·0	008·6	008·9	009·2	009·8	010·8	011·3	011·4	011·4	011·4	011·7	012·2	012·8	013·6	014·3	014·8	014·9	015·3	015·4	015·6	015·9	011·5
30	015·7	015·4	015·0	014·7	014·2	013·8	013·7	013·1	012·7	012·1	011·0	009·7	008·7	007·6	006·3	005·3	004·5	003·5	003·5	002·6	002·0	001·6	001·3	001·0	009·0
Mean (Station level)	1013 ·64	1013 ·56	1013 ·42	1013 ·34	1013 ·26	1013 ·27	1013 ·41	1013 ·65	1013 ·78	1013 ·76	1013 ·67	1013 ·40	1013 ·26	1013 ·22	**1013 ·15**	1013 ·26	1013 ·47	1013 ·66	1013 ·77	1013 ·78	1013 ·82	1013 ·88	1013 ·94	**1013 ·97**	1013 ·55
Mean (Sea level)	1016 ·97	1016 ·89	1016 ·75	1016 ·67	1016 ·59	1016 ·60	1016 ·74	1016 ·98	1017 ·11	1017 ·09	1016 ·99	1016 ·71	1016 ·57	1016 ·53	**1016 ·46**	1016 ·58	1016 ·79	1016 ·98	1017 ·10	1017 ·11	1017 ·15	1017 ·21	1017 ·27	**1017 ·30**	1016 ·88

12. Aberdeen : H_b = 26·8 metres. **December, 1922.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	000·9	000·7	000·6	000·9	001·6	002·1	002·9	003·7	005·0	006·0	006·7	007·7	008·3	009·0	010·4	011·4	012·1	012·7	013·2	013·7	014·1	014·4	014·5	014·6	007·5
2	014·6	014·5	014·5	014·8	014·3	014·6	014·9	014·9	015·4	016·4	016·3	016·6	016·7	016·8	017·2	017·5	017·8	018·0	018·5	019·0	019·6	019·8	020·0	020·1	016·7
3	020·3	020·5	020·9	021·1	021·0	020·9	021·1	021·4	022·1	022·6	022·7	022·5	022·4	022·8	022·7	022·7	022·8	022·9	022·5	022·7	022·4	022·4	022·5	022·3	022·0
4	022·4	022·2	022·2	022·2	022·2	021·7	022·0	022·2	022·0	021·6	021·5	021·0	020·8	020·2	020·0	019·8	019·6	019·5	019·0	018·8	018·1	017·7	017·4	017·1	020·6
5	016·6	016·0	015·8	015·5	015·1	014·8	014·6	014·6	014·5	014·0	013·0	011·4	009·0	006·3	004·3	002·5	002·1	002·6	002·7	004·9	006·3	007·8	009·2	010·6	010·3
6	010·8	011·9	012·5	012·7	013·3	013·5	013·7	013·9	014·4	015·2	015·7	016·6	017·0	017·6	018·2	018·9	019·9	020·7	021·2	021·4	021·7	021·9	021·8	021·8	016·7
7	021·6	021·0	020·1	019·0	017·8	016·8	015·7	015·0	014·8	014·3	013·9	013·4	012·8	012·4	012·4	013·2	014·2	014·8	015·2	015·7	016·0	016·0	016·2	016·6	015·9
8	016·5	016·7	016·8	016·8	017·0	017·2	017·4	017·9	018·5	018·9	018·7	018·7	018·6	018·6	018·8	018·9	018·9	019·0	019·2	019·1	019·1	018·9	019·1	019·0	018·2
9	018·8	018·4	018·2	018·2	018·4	018·4	018·8	019·2	019·5	020·3	020·7	020·8	021·0	021·7	022·2	022·6	023·1	023·4	023·6	023·8	023·9	024·3	024·5	024·8	021·1
10	024·9	024·6	024·6	024·3	024·7	024·7	025·1	025·6	025·9	026·5	026·7	026·4	026·1	026·1	026·2	026·3	026·2	026·3	026·3	026·3	026·0	025·7	025·5	025·2	**025·7**
11	024·7	024·1	023·8	023·3	023·0	022·6	022·4	022·1	022·1	021·8	021·3	020·8	020·1	019·2	018·6	018·2	017·8	017·2	016·7	016·2	015·6	014·6	013·8	013·1	020·0
12	012·6	011·7	011·1	010·4	009·0	009·0	008·6	008·5	008·6	009·1	009·4	009·1	008·6	007·8	007·6	007·8	006·3	005·3	003·9	002·7	000·8	999·7	999·2	998·7	007·2
13	998·9	998·7	998·7	997·8	998·0	997·6	998·2	999·0	000·3	002·1	003·1	003·4	003·7	004·7	005·3	005·9	006·4	006·1	006·4	006·2	005·9	005·8	004·9	004·2	002·4
14	003·8	003·1	002·4	001·9	001·6	002·0	002·2	002·6	003·1	004·3	005·4	006·3	006·6	007·0	007·8	008·5	009·1	009·7	010·2	010·4	010·9	011·1	011·4	011·5	006·2
15	011·5	011·4	011·3	011·1	011·0	010·8	010·8	010·8	011·0	011·4	011·4	011·3	011·4	011·2	011·5	011·9	012·2	012·6	013·0	013·1	013·3	013·2	013·5	013·5	011·8
16	013·5	013·3	013·1	012·4	012·3	012·1	011·6	011·4	011·3	011·4	011·3	010·8	010·2	009·0	008·5	008·0	007·7	007·3	007·0	006·6	006·3	006·1	005·6	005·2	009·8
17	004·4	004·2	004·0	003·5	003·1	002·6	002·4	002·4	002·3	002·2	001·8	001·2	000·5	999·9	999·4	999·0	998·3	997·4	996·6	995·9	995·0	994·1	993·2	992·4	000·1
18	991·1	990·1	989·2	988·4	987·7	986·7	986·1	985·7	985·1	984·8	983·7	982·6	981·0	981·3	980·9	981·0	980·8	980·2	979·9	979·7	979·3	979·0	978·7	978·3	983·7
19	977·7	977·1	976·6	975·8	974·9	974·5	974·5	974·2	974·4	974·9	974·7	974·7	974·8	974·9	974·8	975·5	975·9	976·0	977·5	977·7	977·8	978·8	979·6	980·1	976·2
20	980·4	980·8	981·1	981·3	981·4	981·6	981·8	982·0	982·3	983·2	983·4	983·6	983·5	983·5	984·1	984·5	984·5	984·8	985·0	985·3	985·3	985·2	985·1	985·0	983·2
21	984·8	984·7	984·6	984·4	984·5	984·8	985·2	985·4	986·1	986·4	986·5	986·3	986·0	985·3	984·7	983·7	982·8	981·7	980·5	979·0	977·5	976·7	976·0	974·8	983·2
22	973·9	973·1	972·5	972·1	972·1	972·0	972·2	972·7	973·3	973·6	973·8	972·9	972·4	971·5	970·8	970·8	969·9	969·4	969·2	969·1	969·2	969·3	969·1	969·3	971·5
23	969·3	969·4	969·4	969·1	968·4	967·9	967·6	967·8	968·5	970·2	972·1	973·7	975·5	977·0	978·3	979·8	981·4	983·1	984·4	985·7	987·0	988·7	989·6	990·8	976·0
24	992·0	993·0	993·9	994·5	995·1	996·3	997·1	998·3	999·0	999·5	999·9	999·9	000·0	000·1	000·2	000·1	999·9	999·9	000·0	999·8	999·0	998·5	997·9	997·1	997·8
25	996·4	994·9	993·4	991·6	990·5	989·4	987·1	985·3	984·3	982·9	981·9	980·1	978·8	978·3	977·5	977·4	978·1	978·2	978·5	979·1	980·2	980·8	981·6	982·1	984·0
26	982·5	982·5	982·5	982·3	982·2	982·2	982·1	982·5	982·7	983·6	984·0	984·3	985·0	985·9	986·9	987·9	989·0	989·6	990·2	990·4	990·1	990·3	990·3	990·3	985·6
27	989·8	989·4	988·6	988·8	988·6	988·8	988·9	989·2	989·3	989·5	988·9	988·1	987·3	986·7	986·6	986·4	986·3	986·1	986·0	985·7	985·6	985·5	985·4	985·2	987·6
28	984·8	984·1	984·0	983·6	982·8	982·1	981·6	981·7	981·7	981·6	981·9	982·3	982·5	982·7	983·0	983·1	983·2	982·8	982·6	982·0	981·5	981·0	980·4	979·6	982·5
29	978·8	978·7	978·2	977·6	976·8	976·7	976·3	975·6	975·4	975·0	974·7	974·3	974·0	973·4	972·9	972·8	972·6	972·1	972·0	971·4	971·7	971·3	970·4	969·6	974·5
30	968·6	967·9	966·9	966·0	965·1	964·5	963·9	964·0	964·1	964·4	964·7	964·8	965·3	965·9	966·6	967·9	968·8	969·8	970·9	971·8	972·6	973·3	974·2	974·9	**967·7**
31	975·8	976·8	977·3	978·1	979·1	979·9	980·9	982·0	983·1	984·2	985·0	985·8	986·3	987·1	988·0	989·0	990·0	990·6	991·4	992·2	993·0	994·0	995·1	995·6	985·4
Mean (Station level)	999 ·44	999 ·21	998 ·99	998 ·69	998 ·47	998 ·35	**998 ·31**	998 ·43	998 ·71	999 ·09	999 ·19	999 ·08	998 ·94	998 ·84	998 ·93	999 ·13	999 ·28	999 ·38	999 ·46	999 ·53	999 ·53	**999 ·56**	999 ·54	999 ·46	999 ·07
Mean (Sea level)	1002 ·73	1002 ·50	1002 ·28	1001 ·98	1001 ·75	1001 ·63	**1001 ·59**	1001 ·71	1001 ·99	1002 ·37	1002 ·47	1002 ·36	1002 ·22	1002 ·11	1002 ·21	1002 ·44	1002 ·57	1002 ·67	1002 ·75	1002 ·82	1002 ·82	**1002 ·85**	1002 ·83	1002 ·75	1002 ·35
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

ANNUAL MEANS OF HOURLY VALUES.

From readings in millibars at exact hours, Greenwich Mean Time.

13. Aberdeen : $H_b = 26{\cdot}8$ metres. **1922.**

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level.	mb. 007·68	mb. 007·56	mb. 007·41	mb. 007·28	mb. 007·23	mb. 007·23	mb. 007·32	mb. 007·45	mb. 007·55	mb. 007·58	mb. 007·54	mb. 007·45	mb. 007·36	mb. 007·26	mb. **007·22**	mb. **007·22**	mb. 007·28	mb. 007·43	mb. 007·59	mb. 007·71	mb. 007·80	mb. **007·83**	mb. 007·82	mb. 007·78	mb. 007·48
Sea Level.	010·98	010·86	010·71	010·59	010·53	010·53	010·62	010·74	010·83	010·86	010·82	010·72	010·64	010·53	**010·49**	010·50	010·56	010·71	010·87	011·01	011·10	**011·13**	011·12	011·08	010·77

PRESSURE AT STATION LEVEL; MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

14. Aberdeen : $H_b = 26{\cdot}8$ metres. **1922.**

Month.	Mean	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Jan.	1003·56	+0·38	+0·27	+0·11	−0·07	−0·22	−0·37	−0·33	−0·18	−0·10	−0·11	−0·10	−0·27	−0·47	**−0·59**	−0·55	−0·38	−0·22	+0·02	+0·27	+0·43	+0·57	+0·62	**+0·65**	+0·62
Feb.	1001·31	+0·24	+0·21	+0·05	−0·16	−0·22	−0·27	−0·23	−0·05	+0·06	+0·24	+0·26	+0·12	+0·02	−0·16	−0·27	**−0·31**	−0·15	−0·02	+0·02	+0·08	+0·07	+0·05	+0·13	**+0·29**
Mar.	1007·62	+0·23	+0·09	−0·09	−0·30	−0·38	**−0·40**	−0·33	−0·19	−0·11	−0·01	+0·02	+0·03	−0·05	−0·18	−0·25	−0·28	−0·21	+0·05	+0·27	+0·38	+0·43	**+0·47**	+0·42	+0·38
April	1004·07	−0·09	−0·27	−0·43	**−0·49**	−0·48	−0·38	−0·26	−0·12	+0·03	+0·07	+0·08	+0·11	+0·15	+0·14	+0·06	+0·01	0·00	+0·12	+0·30	**+0·47**	+0·41	+0·33	+0·21	+0·08
May	1010·76	+0·37	+0·23	+0·14	+0·07	+0·01	+0·03	+0·06	+0·08	+0·09	−0·08	−0·18	−0·24	−0·24	−0·42	−0·42	**−0·50**	−0·49	−0·35	−0·15	+0·11	+0·39	+0·48	**+0·56**	+0·45
June	1008·71	+0·15	0·00	−0·14	−0·15	−0·16	−0·08	0·00	+0·03	+0·09	+0·07	+0·03	−0·01	−0·05	−0·11	−0·19	−0·22	**−0·24**	−0·18	−0·05	+0·07	+0·26	**+0·35**	+0·31	+0·25
July	1005·35	**+0·45**	+0·33	+0·21	+0·19	+0·20	+0·17	+0·21	+0·22	+0·15	+0·02	−0·11	−0·22	−0·36	−0·46	−0·46	**−0·59**	−0·57	−0·49	−0·27	−0·06	+0·22	+0·34	+0·43	+0·43
Aug.	1007·35	+0·11	−0·03	−0·18	**−0·29**	−0·27	−0·17	−0·05	+0·05	+0·08	+0·09	−0·01	−0·05	−0·03	−0·05	−0·13	−0·17	−0·23	−0·16	+0·01	+0·20	+0·31	**+0·38**	+0·33	+0·25
Sept.	1010·71	+0·03	−0·02	−0·10	−0·23	−0·24	−0·19	0·00	+0·15	**+0·30**	+0·25	+0·13	0·00	−0·05	−0·19	−0·26	**−0·29**	−0·27	−0·12	+0·09	+0·23	+0·26	+0·22	+0·18	+0·10
Oct.	**1017·73**	−0·11	−0·18	−0·34	**−0·46**	−0·45	−0·38	−0·17	+0·09	+0·29	**+0·34**	+0·33	+0·25	+0·09	−0·06	−0·16	−0·18	−0·11	+0·12	+0·22	+0·26	+0·29	+0·23	+0·09	+0·01
Nov.	1013·55	+0·16	+0·08	−0·07	−0·16	−0·25	−0·24	−0·11	+0·13	+0·25	+0·22	+0·13	−0·15	−0·30	−0·35	**−0·42**	−0·32	−0·12	+0·07	+0·17	+0·17	+0·21	+0·26	+0·31	**+0·34**
Dec.	**999·07**	+0·29	+0·07	−0·14	−0·43	−0·65	−0·76	**−0·79**	−0·67	−0·38	+0·01	+0·11	+0·01	−0·12	−0·22	−0·12	+0·09	+0·25	+0·35	+0·44	+0·52	+0·53	**+0·57**	+0·55	+0·48
Year	1007·48	+0·19	+0·06	−0·08	−0·21	−0·26	−0·25	−0·17	−0·04	+0·06	+0·09	+0·06	−0·03	−0·12	−0·22	**−0·26**	−0·26	−0·20	−0·05	+0·11	+0·24	+0·33	**+0·36**	+0·35	+0·31

ABSOLUTE EXTREMES OF PRESSURE AT STATION LEVEL FOR EACH DAY.

Maximum and Minimum for the interval 0h. to 24h., Greenwich Mean Time.

15. Aberdeen : $H_b = 26{\cdot}8$ metres. **1922.**

Month.	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	003·7	989·1	001·5	993·8	994·7	985·6	008·3	006·2	008·7	004·3	016·3	014·2	006·2	992·2	008·0	001·6	008·5	001·1	013·2	010·2	996·0	**977·0**	014·6	000·5
2	002·6	987·9	001·3	984·4	010·5	994·7	006·7	999·7	004·3	001·8	014·4	006·2	994·6	990·1	012·1	008·0	013·6	008·5	010·5	008·1	991·6	986·4	020·1	014·3
3	008·3	001·6	997·0	983·6	009·0	999·9	999·7	992·3	003·8	994·9	016·4	009·1	005·3	994·6	013·7	011·6	021·5	013·2	010·3	008·5	993·8	989·1	022·9	020·1
4	013·7	008·2	011·3	997·0	002·4	997·7	000·2	992·7	996·6	**988·4**	016·3	012·5	005·5	995·0	016·2	013·2	023·2	021·5	008·5	004·8	008·1	993·6	022·4	017·0
5	015·1	009·8	019·0	011·3	002·6	984·4	006·7	000·2	011·4	988·5	015·1	013·1	000·3	995·1	016·2	012·8	022·6	020·2	016·4	003·5	008·4	991·2	017·1	002·0
6	009·8	001·5	019·2	017·1	987·7	984·1	008·4	006·2	017·9	011·4	015·9	014·8	996·0	**974·6**	012·8	009·5	027·1	020·7	025·4	016·4	991·2	979·3	021·9	010·6
7	002·5	996·4	017·1	008·4	984·4	978·2	006·3	002·3	018·8	017·0	015·2	012·7	009·3	992·0	009·8	009·1	028·4	025·9	027·2	025·3	999·4	981·9	021·8	012·3
8	999·6	986·7	020·7	006·9	982·8	**975·9**	012·3	003·3	025·1	018·7	013·1	011·0	009·3	001·0	009·1	007·2	**030·6**	026·5	**027·3**	026·5	007·5	999·2	019·3	016·3
9	999·9	988·9	024·7	020·7	007·3	982·8	014·2	010·0	**027·5**	022·9	013·3	007·3	001·9	996·6	015·1	007·8	030·5	025·6	026·6	022·4	018·3	007·5	024·8	018·0
10	011·4	999·9	**026·1**	023·9	016·0	007·3	010·0	000·8	022·9	018·3	011·2	004·6	018·3	001·9	**020·9**	015·1	025·7	016·1	022·4	017·3	011·5	998·3	**026·7**	024·2
11	023·1	009·7	024·2	020·0	020·4	016·0	000·9	996·9	018·3	011·6	017·0	011·2	**020·9**	018·3	**020·9**	014·2	016·2	001·3	017·3	007·1	021·8	008·2	025·2	013·1
12	026·9	020·0	020·0	006·0	**032·4**	020·2	996·9	984·6	013·5	010·4	016·4	010·5	018·5	012·2	014·2	001·2	001·3	987·5	011·5	005·9	021·1	019·1	013·1	998·7
13	020·0	011·5	007·8	002·7	032·2	028·0	998·5	**981·3**	014·0	011·0	**020·3**	010·0	012·2	999·5	006·3	001·5	989·4	**986·1**	016·0	011·5	025·1	020·0	006·6	997·4
14	017·8	011·8	012·3	007·7	028·3	025·1	000·4	985·4	011·0	002·4	020·2	012·4	000·0	998·6	011·1	006·3	000·6	989·3	016·4	013·2	035·8	021·4	011·6	001·4
15	014·2	980·7	009·7	001·8	025·4	024·3	993·3	981·4	007·5	003·5	015·6	012·3	002·5	999·3	009·7	007·1	012·7	000·6	020·4	016·1	**037·5**	035·4	013·6	010·7
16	992·2	**980·6**	001·8	997·7	025·1	024·0	017·3	993·3	003·5	996·2	014·3	010·6	007·3	002·4	007·3	001·2	011·2	988·5	022·6	020·3	035·9	029·7	013·7	005·2
17	000·1	992·2	999·8	986·3	024·9	020·2	030·7	017·3	996·3	994·3	013·6	008·9	009·0	007·1	002·3	995·6	009·6	990·2	026·5	022·1	029·7	022·0	005·2	992·4
18	999·9	991·3	998·0	984·2	020·2	017·3	**033·2**	030·7	004·1	993·9	014·6	009·2	011·5	008·3	015·1	004·0	013·9	009·6	031·2	026·5	023·2	021·2	992·4	978·3
19	995·8	988·1	997·7	981·2	017·8	013·8	032·4	025·5	012·9	004·0	015·6	009·3	013·5	011·4	015·7	012·3	011·4	988·8	031·8	028·1	023·0	019·5	980·1	974·1
20	002·0	995·8	990·7	985·4	017·4	013·2	025·5	020·9	018·5	012·9	014·5	005·4	013·0	001·7	013·7	010·1	014·9	989·6	028·1	021·8	025·3	020·1	985·4	980·1
21	003·2	994·9	989·4	**977·6**	025·6	017·0	020·9	011·8	013·3	008·8	013·7	012·1	005·0	001·7	014·1	010·2	020·5	014·6	025·0	022·3	026·5	023·7	986·6	974·8
22	019·8	003·2	990·8	981·6	024·9	019·6	011·8	007·0	010·8	001·1	012·1	003·2	008·4	005·0	010·2	992·7	020·1	017·6	022·7	019·2	023·7	019·4	974 8	969·0
23	027·6	019·8	003·1	989·1	019·6	007·0	007·0	988·5	011·1	005·3	003·8	001·7	009·5	007·5	004·6	**991·1**	021·2	015·3	019·2	017·2	025·4	016·7	990·8	967·5
24	**027·7**	013·7	003·7	996·6	007·0	983·6	993·9	986·7	015·8	006·4	003·5	994·1	014·5	009·5	004·7	997·0	015·3	007·9	022·2	017·7	037·2	025·4	000·3	990·8
25	013·7	006·8	000·4	987·5	988·1	981·3	995·6	992·3	016·9	012·7	994·1	**990·6**	016·6	014·5	008·9	997·4	008·2	004·6	022·4	020·7	036·6	015·4	997·1	977·1
26	014·7	006·5	994·1	986·0	995·5	988·1	995·1	990·9	016·5	008·9	994·0	992·5	015·6	004·2	011·7	004·4	004·6	000·1	020·7	014·8	024·4	014·5	990·4	981·9
27	014·1	000·7	993·2	986·5	007·7	995·1	996·5	995·1	026·3	016·5	996·0	993·4	014·8	007·5	005·5	000·9	007·4	001·5	020·3	013·3	024·6	015·4	990·3	985·2
28	000·7	995·9	989·1	985·1	019·5	007·7	001·2	995·7	026·1	017·6	996·4	994·4	015·9	013·4	008·2	005·1	006·9	002·2	023·3	020·3	015·4	005·8	985·2	979·6
29	996·6	991·6	—	—	019·1	013·0	006·8	000·0	026·1	023·5	004·4	996·3	013·5	000·3	006·9	997·5	018·3	003·8	021·7	009·8	015·9	006·9	979·6	969·6
30	992·5	990·5	—	—	013·0	002·0	009·6	006·4	024·6	016·6	006·6	004·0	005·2	002·5	997·5	993·7	018·3	010·8	009·8	007·8	015·9	001·0	974·9	**963·9**
31	993·8	989·2	—	—	008·3	002·2	—	—	016·6	014·7	—		002·5	998·7	001·2	994·9	—	—	008·0	**996·0**	—	—	995·6	974·9
Mean	1008 ·48	998 ·85	1005 ·85	996 ·79	1011 ·93	1003 ·53	1008 ·01	1000 ·18	1014 ·22	1007 ·69	1011 ·13	1006 ·25	1008 ·92	1001 ·83	1010 ·44	1004 ·33	1015 ·12	1006 ·31	**1020 ·16**	1015 ·31	1018 ·33	1008 ·81	1004 ·00	**994 ·28**

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1012·3 mb. is written 012·3. This rule does not, however, apply to monthly means.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

16. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulb above the ground) = 12·5 metres. **January, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	79·4	80·0	82·0	84·2	84·3	84·0	85·0	84·6	83·9	85·4	86·4	86·7	86·5	86·8	86·1	85·5	85·5	84·9	84·4	83·7	83·9	83·9	83·7	84·4	**84·3**
2	84·0	82·2	82·1	81·9	80·6	79·6	78·3	77·1	77·1	77·0	76·9	76·6	76·1	74·3	74·6	75·0	74·0	74·2	74·2	74·1	73·9	73·8	73·9	73·9	77·1
3	73·7	73·6	73·0	73·6	73·9	74·0	73·4	73·8	73·5	73·8	73·2	73·3	73·0	73·6	73·7	73·7	73·0	73·4	73·3	73·9	74·4	73·4	73·1	74·1	73·6
4	72·9	72·6	72·7	73·1	72·9	72·8	72·0	72·7	72·2	71·6	72·1	72·9	73·5	73·9	73·9	74·4	74·6	74·4	74·4	74·6	74·8	74·2	74·5	73·9	73·4
5	74·4	74·4	74·6	74·4	74·5	75·0	74·9	74·9	74·8	75·2	74·6	74·6	74·4	74·5	74·6	74·9	74·7	75·0	75·1	75·0	75·0	75·1	75·3	75·1	74·8
6	75·0	74·8	75·0	75·0	74·9	75·0	74·9	75·0	75·7	76·1	76·3	76·6	76·7	77·0	77·0	77·0	77·0	77·0	77·7	77·9	77·7	77·8	77·8	77·8	76·3
7	77·0	76·4	75·9	76·1	76·0	77·2	76·9	76·6	75·7	75·0	75·4	76·1	77·1	77·5	77·0	76·1	75·6	75·1	75·0	75·1	75·4	75·6	76·1	76·0	76·1
8	76·5	77·1	77·9	78·1	78·4	78·4	78·7	78·5	77·8	78·4	79·5	79·6	79·6	79·2	78·6	77·6	76·6	76·4	76·1	75·3	75·1	74·9	74·9	75·0	77·4
9	74·6	73·7	74·5	75·4	76·2	76·3	76·9	77·8	78·4	79·1	79·2	79·7	81·3	82·5	82·0	80·7	80·1	79·6	79·2	78·6	78·6	78·0	77·4	77·6	78·2
10	77·5	76·1	76·1	76·0	76·2	76·4	76·7	77·1	76·9	76·9	77·5	78·0	78·0	77·9	77·8	76·9	76·8	77·0	76·6	76·6	76·9	76·5	76·9	76·8	76·9
11	76·7	76·3	76·3	77·0	76·6	76·6	76·4	75·8	74·8	75·1	75·3	75·0	75·0	74·1	74·3	74·9	75·1	75·3	76·0	75·4	76·5	76·5	77·1	76·1	75·8
12	76·0	76·2	76·4	76·5	76·5	76·2	75·9	75·3	74·7	74·7	75·1	76·0	76·6	76·3	75·8	74·9	74·0	73·5	73·6	73·3	73·6	74·4	73·9	73·9	75·2
13	73·2	73·1	72·7	72·7	72·7	72·4	72·6	73·1	74·0	74·2	74·6	75·2	75·6	75·5	75·4	75·4	74·9	74·5	74·6	74·6	74·9	75·1	75·2	75·3	74·2
14	75·4	75·2	74·9	74·8	74·7	74·7	74·6	74·4	74·5	75·6	77·0	76·9	76·9	76·3	76·0	76·7	77·1	77·1	77·0	76·9	77·0	76·7	76·8	76·4	76·0
15	75·7	75·5	76·1	76·0	75·6	75·6	75·7	75·4	75·4	75·5	75·7	76·0	75·9	75·3	74·0	73·9	73·9	73·9	74·1	74·0	74·6	74·9	74·8	74·2	75·1
16	74·3	75·0	74·6	74·0	74·1	75·0	75·2	75·6	75·3	75·0	75·0	75·4	75·3	74·9	74·5	75·0	75·1	74·9	75·0	73·8	73·8	73·7	73·6	74·9	74·7
17	74·8	74·9	73·6	74·0	73·9	73·9	72·6	71·6	70·5	71·4	71·6	71·4	71·6	71·5	70·9	70·0	69·0	68·4	68·4	69·0	69·5	70·4	70·6	70·4	**71·5**
18	70·5	71·0	70·8	71·4	71·6	71·5	71·6	74·6	76·0	76·1	76·7	76·0	75·3	75·3	75·6	75·7	75·2	74·8	74·8	75·1	75·1	75·4	75·4	75·6	74·1
19	75·7	75·8	75·6	75·5	77·0	77·6	78·0	78·2	78·4	78·6	78·6	78·5	78·4	78·0	77·6	76·6	76·2	76·0	75·7	76·0	75·6	75·0	74·6	74·6	76·8
20	75·6	76·3	75·6	75·1	75·6	75·9	75·5	75·6	75·6	75·8	75·8	76·0	76·4	76·6	76·3	75·3	74·7	74·6	74·3	74·1	74·4	76·0	76·4	77·0	75·6
21	77·6	77·9	78·0	78·1	78·2	78·7	78·7	78·9	79·0	79·0	79·0	78·9	78·7	78·5	78·5	78·8	79·0	79·0	79·0	78·9	78·9	78·6	78·2	78·0	78·6
22	78·1	78·0	78·0	77·0	77·5	77·0	77·5	77·0	76·9	77·3	77·6	78·4	78·8	78·8	78·9	78·0	78·0	77·9	77·9	78·3	78·4	78·5	78·6	78·7	78·0
23	78·9	78·9	79·0	78·8	78·9	79·0	79·0	79·0	78·9	78·7	78·6	78·3	77·9	77·4	77·0	76·7	77·1	77·3	77·3	77·2	76·6	76·4	76·1	75·6	77·9
24	75·3	75·3	75·2	75·3	75·2	75·2	75·3	75·2	75·2	75·1	75·0	74·6	74·7	74·4	74·6	74·4	74·2	74·3	73·8	73·7	73·4	73·9	74·1	72·8	74·7
25	72·6	73·8	73·0	73·0	73·8	74·0	74·3	74·4	74·8	75·3	75·9	75·9	76·4	76·6	76·9	76·6	76·3	76·4	76·5	76·6	76·7	76·7	76·5	76·6	75·3
26	76·7	76·7	76·9	76·5	76·4	76·0	76·4	76·7	76·7	76·5	76·9	76·9	77·1	77·2	77·1	77·0	76·9	76·8	76·7	76·6	76·4	76·3	76·1	76·2	76·7
27	76·1	76·0	76·0	76·0	76·1	76·2	76·1	76·1	76·0	76·2	76·2	76·2	76·1	76·0	75·9	75·7	75·6	75·6	75·7	75·7	75·9	75·5	75·7	76·1	75·9
28	76·6	76·6	76·6	76·7	76·8	76·9	76·9	77·0	77·0	77·1	77·0	76·9	77·0	77·0	77·0	76·8	76·6	76·4	76·6	77·3	77·9	78·6	78·3	78·6	77·0
29	78·8	78·9	78·9	78·7	78·6	78·6	78·7	78·9	78·9	78·7	78·6	78·6	78·6	78·5	78·6	78·8	78·6	78·5	78·4	78·7	78·7	78·6	78·6	78·6	78·7
30	78·6	78·5	78·3	78·1	78·1	78·3	78·4	78·4	78·4	78·4	78·5	78·5	78·4	78·1	78·2	78·3	78·4	78·4	78·4	78·4	78·3	78·4	78·4	78·4	78·4
31	78·2	78·2	78·3	78·2	78·2	78·4	78·4	78·6	78·6	78·6	78·7	79·0	79·1	79·1	79·0	79·0	78·7	78·6	78·5	78·6	78·6	78·3	78·3	78·0	78·6
Mean ..	76·1	76·1	76·1	76·2	76·3	76·3	76·3	76·4	76·3	76·5	76·7	76·9	**77·0**	76·9	76·7	76·5	76·2	76·1	76·1	**76·0**	76·1	76·2	76·2	76·1	76·4

17. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **February, 1922.**

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	77·9	77·8	77·4	76·9	76·9	76·5	76·5	76·2	75·5	76·0	77·0	78·0	78·0	79·0	80·0	79·1	77·9	76·7	75·9	75·5	75·4	74·9	74·5	74·2	76·9
2	74·0	73·4	73·3	72·9	73·4	74·0	74·9	77·0	77·6	78·1	78·3	78·2	78·3	78·3	77·7	77·6	78·0	78·1	77·9	77·9	78·1	78·0	78·1	77·8	76·6
3	77·6	77·6	77·5	77·4	77·6	77·7	77·4	77·1	77·0	76·5	76·4	76·0	75·6	75·5	75·0	74·8	74·5	74·5	74·1	74·0	74·1	73·9	73·6	73·5	75·9
4	73·2	73·4	73·7	73·9	73·8	73·9	74·0	74·0	73·5	73·9	74·0	74·1	74·0	74·0	74·0	74·0	74·1	74·5	74·4	74·5	74·5	74·0	73·7	73·5	73·9
5	73·3	73·3	73·0	73·1	73·3	73·4	72·8	72·9	73·1	73·1	73·3	73·5	73·7	73·9	74·0	74·0	74·0	74·0	74·0	73·7	73·7	74·1	74·4	74·6	**73·6**
6	74·1	74·0	74·1	74·0	74·1	74·0	73·9	73·7	73·7	74·1	74·4	74·6	74·6	74·6	74·6	74·3	74·5	74·6	74·8	75·0	74·6	74·5	74·7	74·9	74·4
7	75·1	75·2	75·5	76·0	76·0	76·0	75·9	76·0	76·3	76·5	76·5	76·5	76·3	76·2	76·6	76·9	77·1	77·1	76·9	76·8	76·7	76·8	76·8	76·9	76·3
8	76·7	76·6	76·9	77·3	77·4	77·6	77·6	77·9	77·8	78·0	78·3	78·9	79·1	79·9	80·3	80·0	79·8	79·6	79·2	78·8	78·6	78·4	78·1	77·9	78·3
9	77·4	77·0	76·9	76·7	76·6	76·3	76·9	77·0	77·6	78·5	78·4	78·6	78·0	78·6	78·5	78·0	77·6	77·0	76·5	76·2	76·4	76·3	76·1	76·9	77·3
10	77·0	76·8	76·5	76·2	76·4	76·5	76·3	76·5	77·1	77·4	77·7	78·0	78·4	78·4	78·4	78·0	77·9	77·6	77·4	77·2	77·1	76·9	76·6	76·3	77·2
11	76·2	76·1	75·7	75·6	76·0	75·6	75·6	75·8	75·6	76·0	77·0	78·0	78·5	79·0	78·3	77·7	77·7	77·3	77·1	77·2	77·1	76·6	76·4	75·5	76·8
12	75·6	75·7	76·2	76·0	76·2	76·2	76·4	76·2	76·4	76·6	78·1	78·6	78·3	77·9	78·1	77·6	77·3	77·0	77·0	76·7	77·1	77·2	75·2	75·0	76·8
13	75·0	75·0	75·0	74·1	74·4	73·7	73·7	73·8	74·4	75·0	75·9	76·7	77·2	76·9	77·4	76·5	75·9	75·3	75·0	74·3	74·4	74·1	73·9	74·4	75·1
14	74·0	73·7	74·0	74·2	75·1	75·3	75·6	75·0	75·8	76·4	77·2	77·9	78·0	78·0	78·3	78·0	77·4	77·0	76·9	76·7	76·5	76·3	76·7	76·3	76·2
15	76·0	76·9	76·7	76·1	75·7	75·6	76·0	76·2	76·7	76·9	76·9	77·2	77·1	77·1	77·3	77·1	77·2	77·1	77·1	77·6	77·8	77·8	77·7	77·7	76·9
16	77·3	77·1	77·2	77·1	76·9	77·0	77·4	77·4	77·6	77·6	77·8	78·0	78·0	78·0	78·0	78·0	78·0	78·0	77·9	77·8	77·1	76·4	76·1	76·0	77·4
17	75·2	74·9	74·5	74·6	73·9	73·9	73·6	73·8	73·5	74·0	74·1	74·4	74·8	75·6	77·0	76·6	75·9	76·0	75·8	75·3	75·0	73·9	73·7	73·8	74·8
18	74·0	74·1	74·4	74·5	74·6	74·9	74·6	74·8	74·6	73·9	75·0	75·1	75·8	76·4	75·8	76·1	75·9	75·5	75·9	75·5	75·5	75·2	75·1	74·4	75·1
19	75·5	74·4	74·3	74·4	74·6	74·9	74·7	75·7	75·5	75·6	76·4	77·1	77·3	77·5	77·6	77·9	78·1	78·1	78·3	78·5	78·0	77·7	76·8	76·1	76·4
20	75·3	75·0	74·6	74·3	73·8	73·5	73·5	73·4	74·2	75·0	76·1	76·6	76·7	76·7	76·4	76·1	75·8	75·2	75·1	75·3	75·1	75·3	75·1	75·0	75·2
21	75·0	75·2	75·5	75·7	76·6	77·0	77·5	77·6	77·3	77·3	77·6	77·6	77·1	77·5	77·4	77·4	75·6	75·3	75·5	75·0	75·0	74·7	74·0	74·9	76·2
22	75·1	75·7	75·6	76·1	76·5	76·6	76·6	76·5	76·9	77·8	77·6	78·0	78·6	79·5	79·5	79·0	78·4	77·5	76·7	76·7	75·6	75·3	74·6	74·6	76·9
23	75·0	75·8	76·0	76·4	76·7	76·7	76·3	77·1	77·4	79·4	80·1	81·1	81·8	82·0	82·0	82·0	81·0	80·0	80·1	80·3	80·1	79·0	78·9	78·8	78·8
24	78·6	78·1	77·9	77·8	78·6	79·0	79·6	79·9	80·4	81·6	81·7	82·2	82·2	82·0	85·0	83·8	85·6	85·6	85·0	84·6	84·2	84·0	84·0	84·0	81·9
25	83·9	83·6	83·6	83·2	83·0	83·0	82·8	82·6	82·3	81·9	82·6	82·4	82·8	83·0	82·2	81·9	82·6	82·0	81·5	80·6	80·5	80·5	80·6	79·2	**82·3**
26	78·6	78·6	78·4	78·3	78·1	78·2	78·0	78·6	79·0	79·1	79·4	79·4	80·2	81·9	83·0	82·4	81·8	80·8	80·6	80·0	79·1	78·4	77·2	76·9	79·5
27	77·0	77·0	76·8	76·7	76·2	75·9	75·8	75·9	76·6	78·0	78·9	79·3	80·0	80·1	79·7	79·6	78·6	77·1	77·0	77·5	76·3	76·0	75·9	75·8	77·4
28	75·2	75·7	75·1	75·1	74·7	75·0	75·4	76·4	76·6	76·9	77·1	79·0	79·4	80·0	80·3	80·1	80·0	79·4	79·1	78·9	78·3	78·5	78·8	78·6	77·6
Mean ..	76·0	76·0	75·9	**75·9**	76·0	76·0	76·0	76·3	76·4	76·8	77·3	77·7	77·8	78·2	**78·3**	78·1	77·8	77·4	77·2	77·1	76·8	76·6	76·3	76·2	76·8
G.M.T. ..	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings in degrees absolute at exact hours, Greenwich Mean Time.

18. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulb above ground) = 12·5 metres. **March, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	78·4	78·2	77·6	77·5	77·6	77·2	77·0	77·1	78·0	79·1	80·2	82·0	82·0	82·0	82·1	81·6	81·0	79·5	78·6	78·4	77·4	76·7	76·9	77·3	78·9
2	77·6	77·4	77·3	77·1	77·5	77·0	76·8	77·4	78·7	79·6	80·5	81·4	81·8	81·9	81·4	81·1	80·1	79·0	77·9	77·1	77·1	77·0	76·7	76·9	78·6
3	76·6	77·0	77·4	77·4	77·4	77·9	78·0	78·0	78·3	79·5	81·2	83·0	83·9	84·3	84·0	83·7	83·1	81·8	81·0	80·3	79·4	78·9	78·6	78·8	79·9
4	79·0	78·9	79·0	79·0	78·9	78·3	78·6	78·9	79·6	80·7	81·0	81·7	81·9	81·0	80·9	80·4	79·1	78·3	77·4	76·9	77·1	76·6	76·2	76·0	79·0
5	75·6	76·0	76·0	76·1	76·7	77·8	77·9	77·9	77·9	78·1	78·6	80·0	81·1	81·1	81·4	81·4	81·3	80·6	80·0	79·6	78·5	79·0	78·6	78·6	78·7
6	78·1	78·0	78·0	78·1	77·9	77·9	77·9	78·0	78·9	80·0	80·6	81·1	81·9	82·1	81·7	81·1	80·6	80·0	79·2	79·1	78·6	78·1	78·2	78·7	79·3
7	78·6	78·0	76·0	75·6	75·4	75·1	75·7	75·8	76·6	77·4	78·3	78·6	79·0	79·9	79·4	79·5	78·9	78·4	78·2	78·1	78·0	77·9	77·8	77·6	77·7
8	77·4	77·4	77·0	76·3	75·8	75·7	75·9	76·1	77·1	78·8	79·6	78·4	78·6	79·7	79·7	79·7	79·8	78·5	78·0	77·5	77·3	76·3	76·1	75·1	77·6
9	75·4	75·0	74·4	74·9	74·0	73·1	73·0	74·5	76·6	77·8	76·6	75·8	76·7	77·3	77·3	77·1	76·6	76·1	76·0	76·1	76·0	75·8	75·8	75·4	75·7
10	74·9	74·5	74·6	74·7	74·9	75·1	75·1	75·1	75·7	76·3	76·6	77·3	78·0	79·4	80·0	80·2	79·8	79·3	78·8	78·5	78·8	78·6	78·6	78·7	77·2
11	78·8	78·6	78·6	78·3	77·6	77·3	77·9	79·0	80·2	80·7	81·3	82·3	83·0	83·8	83·6	83·7	83·3	82·9	82·2	81·5	81·1	81·0	81·1	82·5	**80·8**
12	82·3	82·4	81·6	81·9	82·1	81·7	81·9	81·6	78·9	78·1	78·0	77·5	77·7	77·9	78·0	78·0	77·8	77·6	77·5	77·5	77·5	77·5	77·4	77·3	79·3
13	77·2	77·1	77·0	77·0	77·1	77·0	76·6	76·7	78·0	79·6	81·3	81·3	81·7	82·1	82·2	81·4	80·8	80·0	79·7	79·6	79·0	78·6	79·0	78·8	79·1
14	79·0	78·9	78·4	78·1	78·1	77·6	77·3	78·6	79·4	80·3	81·0	81·1	81·2	80·1	80·5	80·7	80·6	80·3	79·7	79·0	79·1	79·6	79·6	79·4	79·5
15	79·3	79·0	78·9	78·5	78·4	78·5	77·9	78·1	80·0	80·9	81·6	82·2	81·9	82·1	82·4	82·7	82·8	82·4	82·1	80·9	80·9	80·6	79·3	78·6	80·4
16	77·9	78·3	78·9	79·0	78·8	77·5	77·5	78·0	78·6	78·9	79·0	79·4	79·7	79·9	80·3	79·8	79·7	79·4	79·0	78·5	78·3	77·9	77·4	77·6	78·7
17	77·3	77·1	76·6	76·1	76·0	75·9	76·1	76·6	77·0	77·4	77·5	77·4	77·7	77·9	78·1	78·0	77·8	77·6	77·5	77·5	77·5	77·5	77·4	77·3	77·0
18	76·4	76·4	76·3	76·1	76·0	76·0	76·0	76·0	76·4	76·9	77·0	77·2	77·3	77·3	77·1	77·0	76·8	76·4	76·4	76·4	76·3	76·3	76·3	76·2	76·5
19	76·0	76·0	75·9	75·8	75·4	75·5	75·6	75·9	76·3	76·5	75·9	74·5	76·5	77·4	77·9	78·1	77·9	77·9	77·0	76·3	75·8	75·4	75·1	75·0	76·3
20	74·9	74·9	75·0	74·0	74·3	73·6	73·0	73·6	74·7	75·8	75·4	74·0	76·2	74·1	76·6	76·3	74·5	75·0	74·0	74·6	74·9	75·0	75·0	74·5	74·8
21	74·1	73·8	73·6	73·6	73·0	73·7	74·1	74·4	75·0	74·9	76·0	76·6	76·4	77·1	76·0	77·0	76·2	76·1	75·7	74·9	74·6	74·6	74·4	74·6	75·0
22	74·5	74·7	74·7	74·7	74·6	74·5	74·4	75·0	76·0	77·2	77·7	78·1	78·4	78·3	77·9	77·8	77·7	76·7	76·3	75·7	75·0	74·6	74·3	74·0	76·0
23	73·2	72·8	72·7	72·5	72·7	72·9	72·4	73·9	75·4	76·9	78·0	78·8	79·3	78·6	78·8	78·4	77·9	77·1	76·6	76·3	76·1	76·0	75·8	75·9	75·8
24	76·0	75·7	75·3	74·7	74·9	75·1	75·0	75·3	75·8	76·9	76·6	76·8	76·9	77·2	77·0	77·1	77·5	77·2	77·1	77·0	77·0	76·9	76·6	76·2	76·3
25	76·1	76·0	75·9	75·3	75·1	75·0	75·1	75·4	75·8	76·5	77·1	77·0	77·2	77·2	77·1	77·2	77·2	77·2	77·3	77·3	77·4	77·4	77·0	76·9	76·5
26	76·6	76·2	75·9	75·1	75·6	75·6	76·0	75·6	76·1	76·2	77·2	77·1	75·9	77·7	77·6	77·7	78·4	77·0	76·8	76·1	75·9	75·6	75·7	75·5	76·4
27	75·2	75·0	74·6	74·7	74·4	74·2	74·0	74·2	75·3	77·1	77·7	77·7	75·5	74·0	75·0	75·9	76·4	76·5	76·4	76·0	75·7	75·0	74·7	73·8	75·4
28	74·1	74·5	74·6	74·5	74·8	75·5	76·7	77·0	77·0	77·1	78·2	78·3	77·6	78·0	77·6	77·1	76·8	76·0	75·3	75·2	74·4	74·7	74·1	74·3	76·0
29	74·4	74·6	74·8	74·7	74·7	74·7	74·7	75·1	76·3	76·6	77·1	77·2	76·0	76·2	76·9	76·9	76·1	75·5	75·4	75·3	75·0	75·0	74·8	74·8	75·5
30	75·0	74·7	74·4	74·4	74·8	74·4	74·6	75·0	75·0	76·6	77·2	74·4	76·0	75·8	75·9	75·4	76·0	75·3	74·1	73·9	73·6	73·4	73·0	72·0	74·8
31	71·6	72·0	72·0	72·1	71·4	72·4	73·0	74·2	74·4	75·0	75·1	75·0	75·5	75·3	75·6	75·2	75·1	74·5	74·1	72·6	72·1	71·7	70·9	70·2	**73·4**
Mean ..	76·5	76·4	76·2	76·1	76·0	**75·9**	76·0	76·4	77·1	77·9	78·4	78·5	78·8	78·9	**79·0**	78·9	78·6	78·0	77·6	77·2	76·9	76·7	76·5	76·4	77·3

19. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **April, 1922.**

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	70·4	70·0	70·0	70·1	70·7	71·4	72·4	72·7	73·4	74·1	75·3	77·0	76·6	76·5	78·0	77·2	77·7	76·1	75·6	75·0	75·0	75·0	74·9	74·9	**74·1**
2	74·9	74·7	75·0	74·6	74·6	74·4	75·0	75·3	76·6	77·0	77·1	78·5	78·1	76·1	77·9	78·3	78·0	77·0	75·7	75·1	74·4	74·1	74·0	73·7	75·9
3	73·9	73·6	73·2	73·2	72·6	72·7	73·3	74·1	75·5	76·6	77·0	77·3	76·9	77·4	77·0	77·1	76·5	76·3	75·6	74·7	74·4	74·3	74·3	73·6	75·0
4	73·4	73·2	73·4	72·7	72·7	73·4	74·0	74·5	75·9	77·0	78·0	77·9	77·3	77·6	78·4	78·0	78·0	77·1	76·1	75·0	74·5	74·1	74·1	73·7	75·4
5	73·4	73·1	83·5	73·1	72·8	72·9	73·6	74·0	74·7	76·2	77·0	77·6	77·9	76·3	77·6	76·9	76·8	76·4	76·0	75·0	74·0	73·6	73·0	73·0	74·9
6	72·9	72·5	72·4	72·2	72·0	71·9	73·1	74·6	76·3	77·4	78·1	79·0	79·0	79·3	80·0	79·1	78·6	78·0	77·6	76·7	76·3	75·6	75·0	74·6	75·9
7	74·2	73·4	73·1	72·9	73·0	73·1	73·4	73·9	75·6	77·0	78·8	78·9	79·2	78·6	78·7	78·2	78·0	78·0	77·3	76·7	76·9	77·0	77·0	77·0	76·2
8	77·2	77·4	77·4	76·8	76·9	74·6	76·4	76·4	74·4	73·7	74·9	76·0	76·9	77·1	76·9	76·8	76·3	76·0	75·8	75·9	75·6	75·6	75·8	75·9	76·1
9	75·7	75·6	75·6	75·6	75·6	75·5	76·1	76·6	77·0	77·4	77·9	77·8	78·5	78·3	78·0	77·9	77·6	77·5	76·5	76·0	75·8	75·6	75·7	75·9	76·7
10	76·1	75·9	75·0	74·5	74·9	75·1	75·6	76·4	77·4	77·9	78·6	78·4	79·0	79·5	79·4	79·0	78·9	78·7	78·3	75·9	75·1	75·1	75·0	74·8	76·9
11	74·6	74·5	74·5	74·5	74·5	74·4	74·6	75·6	76·2	77·1	76·9	77·1	77·7	78·1	78·2	78·6	78·6	78·2	77·9	77·6	77·6	77·3	77·0	76·7	76·5
12	76·3	75·6	74·6	74·3	73·7	73·5	74·4	75·3	77·6	78·3	79·5	80·1	79·9	80·7	80·4	79·9	79·3	78·9	78·5	78·4	78·2	78·1	78·0	77·7	77·5
13	77·3	76·7	76·1	76·1	76·2	76·1	76·1	76·7	76·9	77·5	78·0	78·7	79·3	80·0	80·3	80·7	80·5	78·7	78·3	77·7	77·0	76·4	75·9	75·4	77·7
14	74·6	74·1	73·5	73·4	73·6	73·7	74·4	75·4	77·6	78·9	79·0	79·2	79·0	78·9	78·2	77·6	77·6	77·0	77·1	77·6	77·9	78·1	78·4	78·9	76·8
15	78·9	78·6	78·6	78·5	78·5	78·6	79·0	79·6	80·1	80·5	81·4	81·0	81·6	82·0	81·9	81·6	81·7	81·8	81·3	80·1	78·3	78·0	78·0	76·7	**79·9**
16	75·8	76·0	76·7	77·0	76·9	76·8	77·7	78·1	77·8	78·3	78·9	79·1	78·7	78·6	78·8	78·1	78·2	77·7	75·9	76·4	76·3	75·6	75·0	74·9	77·3
17	75·3	75·0	74·0	74·2	74·3	74·6	75·0	75·9	76·8	78·0	77·4	79·0	78·6	79·0	78·6	78·6	78·5	78·2	77·9	77·6	77·4	77·2	76·8	76·8	76·8
18	76·8	76·5	76·4	76·2	75·9	76·0	76·9	78·0	78·5	78·6	78·9	79·0	79·0	79·3	78·9	78·9	78·6	78·4	77·9	77·4	77·0	75·4	74·6	73·9	77·4
19	73·6	73·4	73·3	73·6	73·0	74·2	75·6	76·6	78·5	79·4	79·7	79·9	80·2	80·4	80·3	80·0	79·6	79·4	78·2	77·6	77·4	77·0	76·5	76·5	77·2
20	76·4	76·3	75·9	75·5	75·1	75·1	74·5	75·2	77·1	78·6	79·5	79·9	79·9	79·6	79·9	79·8	79·0	79·0	78·2	77·5	77·5	77·0	76·6	76·2	77·5
21	76·0	75·9	75·9	75·9	75·6	76·0	77·0	77·8	78·7	79·2	78·7	79·0	79·1	79·7	80·1	80·0	80·1	80·0	79·0	78·6	78·4	78·0	77·9	77·7	78·1
22	77·1	77·5	76·4	76·3	76·6	76·8	77·1	77·5	77·8	78·0	78·5	78·5	78·5	77·9	77·8	77·9	78·5	78·5	77·9	77·1	77·2	77·0	76·8	76·8	77·5
23	76·9	76·7	76·5	76·4	76·2	76·4	76·7	77·4	78·4	79·3	78·7	78·5	78·7	78·5	79·4	79·6	79·3	79·0	79·2	79·0	78·6	78·5	78·0	77·4	78·0
24	77·5	76·4	76·0	76·6	76·8	77·0	78·9	80·4	79·9	80·6	81·1	81·9	82·2	82·0	82·9	78·3	77·7	77·6	78·1	77·6	78·0	77·6	77·6	77·6	78·8
25	77·8	77·6	77·1	77·4	77·4	77·8	78·4	78·7	78·7	80·0	80·0	80·6	80·8	81·2	81·0	81·3	81·2	80·8	79·6	78·5	77·1	76·6	75·9	75·5	78·8
26	75·6	75·4	75·7	75·4	75·4	76·1	78·4	79·0	77·4	77·7	78·4	78·9	79·0	78·6	77·8	79·0	78·6	78·6	78·1	78·1	78·0	77·8	77·5	77·8	77·5
27	77·7	77·3	77·6	77·3	77·9	78·1	79·5	80·1	80·0	79·5	80·0	80·1	80·0	78·9	80·1	79·2	79·8	79·8	79·0	78·2	77·9	77·6	77·7	78·3	78·8
28	78·1	78·2	78·0	78·0	77·0	77·9	76·9	78·7	79·0	79·5	80·0	80·1	79·9	80·0	80·3	80·4	80·4	80·1	78·9	78·4	77·8	77·6	77·9	77·8	78·8
29	77·3	77·4	77·1	77·4	77·3	77·5	78·3	78·8	78·1	79·2	80·0	80·3	81·1	81·0	81·3	80·9	80·5	79·8	79·5	79·2	79·1	79·2	78·7	78·7	79·1
30	78·3	78·0	78·0	78·0	77·6	78·0	78·7	79·1	80·1	80·4	79·6	80·5	79·6	80·0	80·2	81·1	81·7	81·1	79·3	79·0	78·9	78·0	77·6	77·5	79·2
Mean ..	75·8	75·5	75·3	75·3	**75·2**	75·3	76·0	76·7	77·4	78·1	78·6	79·0	79·1	79·0	**79·3**	79·0	78·9	78·5	77·8	77·3	76·9	76·6	76·4	76·2	77·2
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

20. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulb above ground) = 12·5 metres. **May, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	77·3	76·3	76·5	76·4	76·2	76·5	77·3	78·0	78·7	79·0	78·1	78·8	78·8	79·2	79·0	79·2	79·5	79·1	79·0	79·0	77·6	76·8	76·9	76·8	77·9
2	76·3	76·8	76·4	76·6	76·9	77·4	78·7	79·3	80·1	81·1	82·1	82·7	82·2	82·0	82·6	83·2	82·3	82·0	81·7	80·9	80·0	79·1	78·5	77·5	79·8
3	77·0	77·0	76·6	76·0	76·2	78·1	79·7	81·0	81·7	82·0	82·8	81·6	82·2	80·9	81·1	81·3	80·9	80·9	82·2	81·4	81·4	81·0	80·3	79·9	80·1
4	79·2	79·0	77·9	78·1	78·7	79·8	80·0	81·2	82·1	83·2	81·7	84·0	83·2	82·3	83·9	82·7	82·2	80·8	80·4	80·7	80·4	80·5	80·2	80·7	80·9
5	80·6	80·2	79·5	79·8	79·4	79·5	82·4	83·7	83·5	84·6	84·8	84·5	86·0	86·0	84·7	85·0	83·0	83·0	83·0	81·9	81·5	81·5	80·7	80·6	82·5
6	80·3	80·6	80·6	80·7	80·3	80·6	81·0	80·4	80·4	81·6	83·5	83·3	84·4	86·1	86·5	87·0	87·3	88·0	87·1	85·6	85·2	84·0	84·3	83·6	83·4
7	83·5	83·1	82·7	82·4	82·2	82·0	82·9	83·6	84·0	87·1	88·8	88·9	88·8	90·2	90·4	90·5	90·4	89·9	89·3	88·7	88·1	88·0	87·4	87·1	86·6
8	87·0	86·7	86·5	86·3	86·0	85·2	86·1	87·0	88·0	87·4	88·0	88·1	88·6	88·9	87·4	88·0	87·5	86·3	85·0	83·0	81·3	81·0	80·6	80·0	86·0
9	79·4	79·4	79·0	78·5	78·8	79·7	80·0	79·6	79·4	80·6	80·7	80·9	81·2	81·8	81·2	81·1	79·3	79·4	79·3	79·1	78·9	78·6	78·5	78·5	79·7
10	78·6	78·6	78·8	78·6	78·6	79·6	79·9	79·0	80·6	80·7	80·4	81·4	80·0	81·2	80·9	81·2	81·5	81·0	80·1	79·4	78·3	77·7	76·9	77·1	79·6
11	76·6	76·3	76·9	76·6	77·0	77·4	78·6	79·0	79·2	79·9	80·4	80·7	81·2	81·5	81·6	81·4	81·4	80·9	79·6	78·8	78·1	77·7	77·5	76·8	79·0
12	76·9	76·4	76·0	75·6	75·9	75·2	76·0	76·6	77·9	79·3	79·2	79·1	78·0	79·6	79·4	79·2	78·7	78·3	77·4	77·1	77·6	77·0	76·9	76·6	**77·5**
13	76·9	76·8	76·4	75·6	76·4	78·5	78·5	79·0	79·9	81·9	83·1	81·6	81·5	82·4	83·0	82·7	83·0	82·0	81·0	80·9	81·7	81·8	81·0	80·7	80·2
14	80·0	79·5	78·8	78·3	79·6	81·5	82·9	82·9	84·5	86·0	87·1	86·8	88·5	87·7	87·3	86·5	86·4	86·6	84·6	81·9	82·6	81·7	81·3	80·9	83·5
15	80·6	80·7	80·4	80·1	80·4	80·6	80·2	79·7	79·4	79·6	79·5	79·6	79·7	79·9	80·1	80·2	80·4	80·0	79·8	79·5	79·5	79·5	79·7	79·7	80·0
16	79·9	80·0	80·0	80·9	82·0	82·8	83·1	83·3	83·5	83·9	84·0	84·9	85·4	86·9	87·5	87·0	87·2	87·1	85·5	84·9	83·9	83·6	83·7	83·7	83·9
17	83·3	83·5	83·4	82·9	83·7	85·2	85·6	86·8	87·6	88·1	89·0	88·2	87·8	87·1	86·3	85·8	86·2	84·8	84·7	85·1	84·6	84·4	83·6	83·5	85·5
18	83·3	83·3	82·7	82·0	82·6	84·0	84·2	85·5	86·9	87·6	88·1	88·2	88·5	88·9	88·6	88·8	88·3	87·3	86·8	86·0	85·0	84·0	83·0	82·2	85·7
19	81·6	81·5	81·6	81·6	82·5	82·0	82·3	83·6	84·4	85·0	85·9	86·4	87·6	88·6	88·6	88·3	88·1	87·7	86·0	85·2	84·3	83·9	83·0	82·9	84·7
20	82·2	82·8	82·5	82·4	82·5	82·1	83·4	84·8	84·1	85·9	85·9	85·8	86·1	85·0	84·9	85·0	84·5	83·4	83·1	83·3	83·0	83·0	83·4	83·7	83·9
21	84·0	84·1	85·6	86·0	85·7	85·4	86·2	87·4	88·5	89·1	90·3	90·2	91·6	92·0	92·0	91·0	90·2	90·0	89·7	86·2	86·1	83·5	83·2	83·0	87·6
22	83·6	83·3	83·6	82·9	83·1	83·6	87·0	88·7	88·8	87·9	91·0	91·2	91·0	91·0	90·6	90·1	88·9	89·2	88·5	86·8	85·1	83·6	82·0	81·4	86·8
23	81·0	80·5	81·0	80·4	82·8	84·4	84·2	84·2	84·6	85·0	84·1	84·6	84·6	83·1	83·0	83·0	82·8	83·0	83·0	83·0	82·8	82·7	84·5	84·9	83·1
24	83·7	82·3	81·5	81·1	81·0	82·5	83·5	84·6	85·2	85·0	85·7	86·3	86·8	85·6	84·9	85·0	84·3	84·5	85·8	83·4	83·4	83·3	83·3	83·3	84·0
25	83·1	83·0	83·0	82·9	82·7	82·9	83·5	84·5	86·3	87·0	87·6	87·1	86·8	86·6	86·9	87·2	86·4	86·1	86·5	86·7	85·8	85·8	85·8	84·6	85·3
26	84·9	86·0	85·7	85·6	85·7	85·1	84·9	86·6	87·6	89·7	90·6	91·2	90·8	90·7	87·6	88·4	88·8	88·1	87·4	85·8	84·4	83·3	82·7	82·0	86·9
27	81·3	81·3	81·3	81·8	83·0	83·4	83·6	84·4	84·6	85·0	86·0	86·6	87·3	87·6	86·8	86·7	86·9	86·5	86·1	84·0	82·6	81·7	81·6	80·4	84·3
28	79·7	78·5	79·4	81·2	81·6	82·1	82·4	83·2	83·3	85·8	87·0	88·8	90·2	91·4	92·5	93·0	93·0	92·3	91·0	89·1	86·2	84·9	83·9	83·5	85·9
29	82·6	82·0	82·5	82·2	83·4	84·1	85·0	83·8	84·4	85·4	85·9	85·2	86·2	86·1	85·7	84·6	84·3	84·1	83·5	82·1	81·7	81·7	81·5	81·2	83·8
30	81·0	80·0	81·0	82·3	84·2	86·6	88·9	89·6	90·0	91·1	91·5	90·9	88·2	88·5	89·6	88·5	90·0	92·9	91·9	91·0	89·9	89·6	89·2	89·2	88·0
31	88·4	88·9	89·3	90·1	90·3	90·9	92·6	93·0	93·5	94·4	89·6	87·0	86·9	86·7	86·7	86·3	86·3	85·8	86·0	84·8	84·2	84·1	83·3	82·2	**88·1**
Mean ..	81·1	80·9	80·9	**80·8**	81·3	81·9	82·7	83·4	84·0	84·5	85·2	85·3	85·5	**85·7**	85·5	85·4	85·2	84·9	84·4	83·4	82·7	82·2	81·9	81·6	83·4

21. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **June, 1922.**

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	81·6	82·2	82·6	82·5	82·0	82·1	81·5	81·4	81·6	82·0	82·1	82·6	82·5	82·7	82·9	82·6	82·4	82·8	82·6	82·4	82·1	81·9	81·9	81·7	82·2
2	81·7	81·6	81·9	81·8	82·5	83·2	83·9	84·9	84·5	85·2	85·0	84·8	84·5	84·4	84·3	84·1	83·9	84·0	84·0	84·3	83·3	83·4	82·0	81·0	83·5
3	80·3	80·1	80·0	79·6	82·0	83·4	84·7	85·4	80·4	87·0	86·6	87·6	88·4	87·1	87·0	84·6	84·1	83·9	84·0	84·1	83·8	82·7	82·3	82·3	84·0
4	81·7	82·1	82·3	82·2	82·1	82·8	83·7	84·1	85·7	85·8	87·0	87·0	87·6	88·2	89·1	88·7	89·1	88·3	87·0	85·8	85·0	84·8	84·2	83·7	85·3
5	82·5	82·0	81·7	81·4	81·9	83·8	85·0	85·4	85·8	87·5	87·8	87·8	88·6	88·6	88·3	87·9	87·1	86·9	86·6	85·4	85·2	84·6	84·0	83·9	85·4
6	83·4	82·6	82·1	82·6	83·8	85·5	86·1	86·1	87·4	87·6	87·9	89·0	89·2	87·9	87·8	85·6	85·6	84·8	84·2	84·0	84·3	83·9	83·3	82·7	85·3
7	82·9	82·1	81·9	81·1	81·3	82·9	85·4	85·6	85·3	86·9	87·2	86·8	86·0	86·3	86·6	86·4	86·8	86·8	85·7	85·3	84 6	84·0	83·7	83·0	84·8
8	82·9	82·2	82·2	82·0	81·9	82·0	83·6	85·7	87·0	87·4	87·4	87·3	87·7	87·2	89·7	91·9	92·3	89·0	92·0	92·3	90·3	89·0	88·1	87·3	86·9
9	86·5	86·4	86·0	85·7	85·3	85·6	86·0	85·8	85·4	86·6	86·6	86·0	86·4	86·9	86·0	87·5	87·7	87·3	86·9	86·3	85·8	85·2	84·1	84·1	86·2
10	83·9	84·0	83·9	84·6	85·1	86·2	86·6	87·0	88·6	88·4	87·7	86·9	88·7	88·5	86·7	85·6	85·0	84·2	84·4	84·8	84·3	83·0	82·1	81·4	85·5
11	81·0	80·6	80·6	81·0	82·1	83·1	84·0	83·4	84·5	85·0	85·7	86·3	86·8	86·9	86·0	85·0	85·2	84·9	84·0	83·8	83·5	83·5	83·4	83·7	83·9
12	83·5	83·1	82·7	82·5	84·3	86·5	88·7	89·2	90·8	92·1	92·8	92·4	94·9	93·5	93·5	94·2	94·3	93·6	92·3	91·2	90·3	90·0	89·9	89·0	**89·7**
13	88·4	85·2	82·5	81·7	81·2	81·1	81·0	81·7	81·5	82·3	82·4	83·2	84·0	84·1	84·5	84·9	85·0	84·9	84·4	83·4	81·9	81·1	80·1	79·1	83·1
14	78·2	78·6	78·4	79·0	80·0	81·4	81·5	82·0	82·6	84·0	84·1	83·9	84·1	84·4	84·8	84·6	84·1	83·2	82·9	82·6	82·3	82·2	82·0	82·0	**82·1**
15	81·9	81·9	81·9	82·0	82·0	82·1	82·4	82·5	83·1	83·6	84·8	85·0	85·7	85·3	85·5	85·7	86·4	85·9	84·3	84·0	83·4	83·0	82·8	82·8	83·7
16	83·1	83·4	83·4	83·3	83·6	85·6	86·3	87·1	89·0	88·3	88·2	88·3	88·2	87·5	86·3	85·8	86·4	86·4	86·2	85·0	83·3	82·1	81·6	80·8	85·4
17	80·2	80·0	80·1	79·8	81·0	83·1	83·9	84·1	83·7	85·0	85·0	86·0	85·6	86·0	86·1	86·4	84·0	82·7	83·7	83·4	82·8	82·4	82·3	81·8	83 3
18	81·5	81·5	81·1	80·6	80·6	81·9	81·5	82·2	82·4	84·3	85·5	86·1	85·9	85·6	84·4	86·4	87·4	86·7	87·1	87·1	86·7	87·0	85·9	86·0	84·3
19	86·4	85·9	85·3	85·9	86·3	87·1	87·5	87·5	88·8	88·0	89·0	86·6	86·0	85·6	85·4	85·4	85·3	85·3	85·2	84·4	84·0	83·0	82·2	82·0	85·8
20	82·7	82·7	83·0	83·1	83·3	82·8	83·0	84·4	86·1	87·7	88·0	89·0	89·7	91·7	91·0	90·9	89·3	89·5	88·8	87·2	85·1	83·9	82·9	82·4	86·2
21	82·0	81·3	80·5	80·9	82·2	84·0	85·6	85·9	86·6	87·9	87·2	88·0	88·0	88·0	88·5	85·4	85·4	83·5	83·0	82·8	82·6	82·5	82·2	82·4	84·4
22	82·1	82·3	82·2	82·5	82·7	83·5	84·6	85·0	84·4	85·0	85·1	84·6	84·7	84·7	86·4	87·1	85·9	85·3	85·0	84·7	84·7	83·6	83·1	83·4	84·3
23	83·6	83·9	83·6	83·3	83·5	83·2	83·2	83·3	83·2	83·2	83·6	84·2	84·5	84·8	84·9	84·6	84·6	84·4	84·1	83·9	83·9	83·9	84·1	84·0	83·9
24	84·1	83·9	83·5	83·5	84·3	85·6	86·5	86·6	87·5	88·0	87·2	86·7	86·4	86·0	87·5	87·0	85·3	85·4	85·5	83·9	83·4	83·2	83·0	82·5	85·3
25	81·4	81·1	80·2	79·4	80·0	81·9	82·6	84·0	84·4	85·0	84·0	84·3	84·6	84·0	84·3	83·3	83·5	83·2	83·5	83·2	82·9	82·9	82·6	82·5	82·9
26	82·6	82·5	82·0	82·0	83·0	83·9	84·9	84·9	85·4	85·9	86·6	85·8	85·8	85·9	85·1	85·9	84·4	84·0	84·5	84·6	84·1	83·9	83·3	82·5	84·3
27	81·8	81·3	81·1	80·9	81·5	82·6	84·0	84·4	84·9	85·9	86·9	87·5	87·9	87·4	87·6	88·2	88·2	87·6	85·5	84·2	83·8	83·1	82·4	82·2	84·7
28	82·3	82·1	82·0	82·0	82·1	84·7	85·5	85·8	86·3	86·9	87·2	85·9	88·1	87·3	88·4	84·7	85·0	85·2	85·0	86·4	84·5	83·5	82·5	81·7	84·8
29	81·2	80·4	79·7	80·4	81·7	83·1	83·2	84·1	82·4	83·3	83·7	85·0	85·2	84·9	85·3	85·9	87·5	87·6	86·1	84·7	84·0	83·7	83·4	82·9	83·7
30	81·8	81·5	81·6	81·9	82·1	83·5	84·4	85·9	86·3	84·5	84·9	84·1	83·9	83·4	84·0	85·1	84·4	83·3	84·1	83·9	83·6	83·5	83·0	82·6	83·6
Mean ..	82·6	82·3	82·0	**82·0**	82·5	83·6	84·4	84·8	85·4	86·0	86·2	86·3	**86·7**	86·5	86·6	86·4	86·2	85·7	85·4	85·0	84·3	83·8	83·3	82·9	84·6
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings in degrees absolute, at exact hours, Greenwich Mean Time.

22. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulb above ground) = 12·5 metres. **July, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	81·9	81·3	80·6	81·2	81·5	82·0	83·9	83·9	83·7	84·0	84·6	84·2	84·0	84·9	86·0	86·2	85·4	84·9	84·4	84·9	85·0	84·7	85·0	85·0	83·8
2	84·7	84·6	84·0	84·1	84·6	85·1	85·6	85·8	86·4	86·5	86·8	87·5	88·4	88·1	89·4	89·1	88·9	88·0	88·4	87·1	86·5	85·1	84·3	83·7	86·4
3	83·0	82·5	82·4	82·2	83·2	83·7	85·1	85·9	87·9	88·3	88·8	89·1	89·5	90·2	88·8	87·7	87·8	87·5	88·6	86·6	84·6	84·1	84·1	83·9	86·1
4	83·7	83·5	83·2	82·8	83·3	83·9	83·4	83·4	84·0	83·7	84·3	84·7	84·6	84·2	83·5	84·2	83·0	84·7	84·5	84·1	84·0	83·7	83·5	82·7	83·8
5	82·6	83·3	83·3	83·4	83·4	83·6	84·1	85·6	85·2	85·9	85·5	86·7	87·2	87·1	85·8	84·0	84·3	84·1	83·1	82·9	82·5	82·9	82·9	82·8	84·3
6	82·6	82·3	82·3	82·3	82·3	82·3	82·0	81·7	81·9	81·4	81·5	81·3	80·6	81·0	82·0	82·3	83·5	84·4	84·1	83·4	83·8	83·3	82·6	82·3	**82·4**
7	82·0	81·3	80·8	80·7	82·3	84·0	85·6	86·1	86·8	87·0	87·9	87·2	87·5	86·0	84·1	85·0	84·8	85·7	83·9	83·2	83·1	83·1	81·8	81·1	84·2
8	80·2	79·2	78·6	78·6	79·2	82·1	84·7	84·9	85·9	86·2	86·6	86·0	85·4	85·4	84·7	84·3	84·0	83·3	83·3	83·2	83·1	83·1	83·0	83·1	83·2
9	83·4	83·5	83·6	83·8	83·7	83·7	83·7	83·7	83·9	84·5	84·8	85·2	85·4	85·1	85·0	84·5	84·1	84·1	84·0	83·9	83·6	83·6	83·5	83·3	84·1
10	83·1	82·9	83·0	82·7	82·7	82·7	82·9	83·3	84·0	85·3	85·2	85·7	86·5	87·2	88·0	87·7	85·4	85·1	84·9	84·6	84·2	83·9	84·0	83·9	84·5
11	83·6	82·9	83·2	83·2	83·6	84·0	84·0	84·5	85·5	85·2	85·0	86·6	86·7	87·1	87·7	86·9	87·2	87·7	88·2	86·2	84·9	84·4	84·0	84·0	85·3
12	83·7	83·8	83·5	83·7	84·5	85·4	85·8	86·0	86·1	87·5	88·4	88·1	88·0	87·4	87·2	86·6	86·8	86·8	87·6	87·5	87·0	86·4	86·0	85·7	86·2
13	85·4	84·6	84·7	84·6	84·4	84·9	85·8	85·3	86·0	86·0	86·2	86·1	86·4	85·4	85·2	85·0	85·0	85·0	85·0	84·9	84·8	84·6	84·5	84·0	85·2
14	83·9	84·0	84·0	84·1	84·2	84·6	84·7	85·0	85·7	86·9	87·7	88·9	88·9	88·3	88·2	88·0	87·7	87·4	87·0	86·3	85·6	84·6	84·2	84·1	86·0
15	83·6	84·1	84·0	83·4	82·6	82·5	83·3	84·2	85·6	86·6	87·1	87·5	87·3	86·0	86·4	87·0	85·7	85·3	84·9	85·0	85·1	84·7	84·9	84·8	85·1
16	84·5	84·5	84·4	84·6	84·8	85·2	85·6	86·5	87·5	87·4	88·8	88·9	89·5	90·0	89·0	89·0	88·9	87·9	87·4	86·3	85·5	85·0	85·0	84·6	86·7
17	84·4	84·8	84·9	84·7	84·7	85·2	86·0	86·2	86·6	87·6	89·0	89·0	87·8	87·1	87·0	86·3	86·8	86·0	86·0	85·6	85·0	84·7	84·4	84·4	86·0
18	84·2	84·1	84·1	84·1	84·1	84·3	84·4	84·2	84·3	85·0	85·7	86·4	87·3	87·2	87·6	87·2	87·1	87·3	87·1	86·0	84·4	83·9	83·4	83·6	85·3
19	83·2	83·1	83·0	82·6	82·5	83·8	84·4	85·1	85·3	85·6	86·7	87·0	88·0	87·9	87·5	86·7	86·5	85·9	85·1	84·5	84·1	84·0	83·4	83·0	85·0
20	82·6	83·0	83·3	83·4	84·1	84·3	84·7	86·0	86·3	87·0	87·4	86·9	87·0	86·6	87·0	87·3	87·6	88·2	87·9	87·8	87·6	87·3	87·6	87·2	86·1
21	87·4	85·9	85·2	85·1	85·0	85·1	85·2	85·2	85·3	84·8	85·4	86·5	86·6	88·3	88·7	90·2	91·1	91·2	90·0	88·0	86·5	85·5	84·5	83·8	86·8
22	83·1	82·7	82·3	82·0	83·0	84·0	85·0	86·5	86·3	86·3	86·6	86·5	87·3	87·8	86·6	86·0	85·6	85·3	85·1	85·0	84·8	84·7	84·7	84·6	85·1
23	84·5	84·4	84·2	84·2	84·2	84·6	84·9	85·0	85·3	85·3	85·0	85·2	85·1	85·1	85·0	85·0	84·5	84·1	83·9	83·5	82·7	82·9	82·9	82·8	84·4
24	82·9	82·7	82·6	82·3	82·2	82·9	83·1	83·6	83·6	84·0	84·2	85·4	85·2	85·9	86·0	86·0	85·7	85·7	84·5	83·8	82·6	82·5	81·8	81·7	83·8
25	81·1	80·9	81·0	81·0	81·1	81·5	81·6	82·3	82·8	82·7	83·5	83·6	83·3	84·0	84·5	85·0	85·6	85·5	84·6	83·5	83·3	83·1	83·1	83·1	83·0
26	83·2	82·6	82·1	82·2	83·3	83·9	84·1	84·9	85·1	85·0	85·1	84·8	84·9	85·1	85·2	85·6	86·6	87·5	88·3	87·1	88·1	88·0	86·0	85·3	85·1
27	84·6	84·4	83·5	82·8	83·8	84·2	86·1	87·0	87·4	87·8	88·0	88·2	88·3	87·7	86·9	87·1	86·5	85·9	85·2	84·7	84·5	84·4	84·4	84·0	85·7
28	82·4	82·0	81·5	81·7	82·4	84·6	86·8	87·4	88·0	88·1	88·7	89·1	89·4	89·6	89·9	90·1	90·0	90·0	88·0	87·9	87·6	87·0	86·1	86·4	86·8
29	85·9	85·1	84·9	84·5	84·4	84·6	84·8	84·9	85·0	84·8	85·4	85·4	86·6	88·5	88·6	90·2	91·8	90·9	90·7	90·2	89·4	88·3	87·3	85·1	**87·0**
30	84·6	83·7	82·2	81·8	82·3	84·9	86·3	87·1	87·5	88·3	89·4	90·0	90·1	90·6	89·9	89·1	88·0	87·7	87·1	86·6	86·1	85·5	85·1	84·5	86·6
31	84·1	84·0	84·3	84·1	84·0	84·9	86·0	85·0	84·6	85·2	84·7	86·1	87·0	86·5	86·2	87·0	86·1	84·7	85·1	84·2	83·1	82·4	82·0	81·9	84·8
Mean ..	83·6	83·3	83·1	**83·0**	83·3	84·0	84·6	85·0	85·5	85·8	86·3	86·6	**86·8**	86·8	86·7	86·7	86·5	86·4	86·1	85·4	84·9	84·6	84·2	83·9	85·1

23. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **August, 1922.**

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	81·3	81·2	81·7	82·2	82·4	83·1	84·4	85·8	86·4	87·5	86·3	84·4	85·7	85·0	86·0	87·0	86·9	86·5	85·4	84·8	84·9	84·3	84·1	83·4	84·6
2	82·4	82·5	82·7	82·9	82·6	83·4	84·2	85·3	85·2	86·0	86·0	87·1	87·0	86·9	86·9	85·6	84·8	85·6	85·0	84·8	84·0	82·9	82·8	82·9	84·6
3	83·5	83·4	83·4	83·1	82·9	83·2	83·7	84·9	86·0	85·6	86·1	85·7	86·0	85·6	85·4	84·8	84·3	84·2	84·0	83·9	83·8	83·8	83·5	83·2	84·3
4	83·1	83·0	83·0	82·8	82·7	83·1	83·7	84·7	85·4	85·3	85·5	83·5	84·2	84·8	85·0	85·0	84·6	84·6	84·6	84·4	84·2	84·1	83·9	83·1	84·1
5	81·3	80·8	80·6	80·8	81·0	82·0	83·9	84·6	85·4	86·7	87·1	87·5	86·7	86·7	87·6	86·8	86·3	86·1	85·4	84·9	84·6	84·7	84·2	83·9	84·5
6	82·4	81·6	80·8	81·1	81·7	82·8	83·2	84·6	85·4	85·6	86·0	86·0	86·1	86·0	86·0	86·0	85·9	85·6	85·4	85·2	85·1	84·9	84·9	84·4	84·4
7	83·9	83·6	83·4	84·5	84·7	84·8	84·8	85·2	86·0	86·6	87·1	86·7	86·3	86·4	86·2	85·9	85·9	85·4	85·1	84·7	84·4	84·3	84·0	84·1	85·2
8	84·4	84·1	84·0	84·1	84·6	85·0	85·4	85·8	85·5	86·0	85·4	85·9	85·8	85·9	85·7	85·9	85·6	85·7	85·3	85·1	84·9	84·9	84·8	84·5	85·2
9	84·6	84·5	84·1	84·0	83·9	84·4	84·7	84·4	85·3	85·0	84·8	85·0	85·5	85·0	84·9	84·8	84·5	84·2	84·1	83·9	83·5	83·2	83·4	83·6	84·4
10	83·6	83·2	83·1	83·0	83·0	83·1	83·7	84·3	85·0	85·0	85·4	86·0	85·9	86·2	86·0	85·9	85·1	85·4	85·0	84·3	83·9	83·3	83·0	82·1	84·4
11	81·7	81·6	81·0	80·4	80·6	81·7	82·7	84·0	83·9	84·4	85·2	85·2	85·5	86·3	86·3	85·7	85·8	85·3	84·8	84·1	83·7	83·6	83·0	81·9	83·7
12	81·4	81·0	80·5	80·5	81·0	82·0	84·1	84·1	85·2	85·6	85·4	84·9	84·4	84·2	84·3	84·1	84·3	84·4	84·5	84·6	84·7	84·6	84·3	84·0	83·6
13	83·9	83·7	83·0	82·6	81·6	83·1	84·7	85·4	86·7	87·4	88·7	87·2	86·6	85·9	87·8	87·6	88·0	87·7	87·0	86·0	84·5	84·0	83·6	83·9	85·4
14	83·8	83·3	82·6	82·0	82·0	82·2	83·4	85·0	86·1	86·9	86·8	87·5	87·1	86·6	87·1	87·3	87·5	86·4	86·4	86·1	85·6	85·2	84·8	84·8	85·3
15	84·6	84·1	83·8	83·7	83·3	83·7	85·1	86·4	87·1	88·0	89·1	88·8	88·7	89·0	88·3	87·1	86·6	86·6	86·1	86·3	86·0	85·6	85·0	85·3	86·2
16	85·1	85·1	85·1	85·0	84·8	84·7	85·0	85·2	85·6	85·5	86·7	86·7	87·8	89·8	90·6	91·0	90·1	89·6	88·6	87·4	86·3	85·4	85·1	84·9	86·7
17	84·8	84·7	84·4	84·2	84·2	83·9	84·0	84·6	86·0	87·0	87·7	86·5	86·5	86·2	86·5	87·0	85·0	86·1	85·3	85·0	84·3	83·4	84·0	84·0	85·2
18	83·2	83·0	82·1	82·7	82·7	82·4	83·0	85·5	85·6	86·4	86·7	87·1	87·4	87·3	87·7	88·1	87·1	88·0	87·0	85·3	85·1	84·6	84·9	84·6	85·3
19	83·7	83·5	83·0	83·0	82·7	83·4	84·2	85·2	85·9	86·6	85·7	87·6	90·1	92·7	93·7	95·0	93·2	91·6	91·9	90·7	90·4	89·0	87·8	86·6	**87·8**
20	85·5	85·1	85·2	86·0	86·6	86·1	87·6	89·2	89·9	89·2	89·7	88·1	88·0	87·7	86·5	86·4	86·0	85·8	85·4	85·1	84·1	83·4	83·8	84·2	86·5
21	84·2	84·3	84·0	83·4	83·8	83·9	84·5	86·0	86·6	86·4	87·0	86·7	86·9	86·2	86·4	85·9	86·5	86·9	86·2	85·5	85·4	85·1	85·1	85·0	85·5
22	85·0	84·8	84·7	84·0	84·1	84·1	84·4	84·1	84·1	84·1	84·6	86·0	85·4	86·0	85·8	85·1	85·2	84·9	84·6	84·7	84·4	83·9	83·8	83·9	84·7
23	83·9	83·8	83·2	82·4	82·4	82·5	82·9	83·5	83·9	84·8	84·6	85·6	86·4	86·8	87·0	85·7	86·0	85·1	84·4	83·4	82·9	82·5	82·2	82·0	84·1
24	82·0	82·0	81·8	81·7	81·2	82·1	83·4	83·8	84·8	85·1	85·4	84·9	85·7	85·1	85·3	85·0	84·5	84·1	83·2	82·6	82·6	82·5	82·5	82·3	83·5
25	81·3	81·1	81·0	80·5	80·8	81·5	81·6	82·9	84·0	84·6	85·6	85·6	84·1	85·5	85·7	85·5	85·4	85·2	84·8	83·8	83·0	82·8	82·5	82·5	**83·4**
26	82·0	82·2	82·7	81·9	81·2	82·0	83·7	84·9	85·8	87·0	87·3	87·5	86·6	86·9	86·2	86·2	85·4	85·0	85·0	84·9	85·4	85·4	85·4	85·5	84·8
27	85·4	85·3	85·1	85·2	85·9	86·0	86·5	87·1	87·6	86·8	86·5	87·8	89·6	89·7	89·1	89·7	89·6	87·8	86·4	85·7	85·6	85·5	84·9	84·3	86·8
28	83·6	83·4	82·5	82·5	82·3	82·3	83·6	85·4	86·1	87·7	88·0	87·3	87·5	87·9	88·0	87·7	87·2	87·8	85·9	85·0	84·3	83·6	83·5	83·3	85·3
29	83·4	83·1	82·8	82·5	81·8	82·6	83·8	84·5	84·9	85·0	85·3	85·9	85·6	85·4	87·9	87·8	87·2	87·0	86·1	85·8	85·4	85·6	85·6	85·5	85·0
30	85·0	84·6	84·0	83·5	83·9	84·0	85·4	86·6	87·7	88·0	89·4	88·1	87·0	86·0	85·4	85·1	85·0	85·4	85·4	84·8	85·0	84·9	85·2	85·1	85·6
31	84·9	84·8	84·9	84·9	84·9	84·9	85·0	85·1	85·6	85·6	85·9	85·6	86·0	87·0	86·9	86·8	86·9	86·0	85·6	85·0	84·1	84·3	84·0	84·1	85·4
Mean ..	83·5	83·3	83·0	**82·9**	82·9	83·4	84·2	85·1	85·8	86·2	86·5	86·4	86·5	86·7	**86·8**	86·7	86·3	86·1	85·6	85·1	84·7	84·4	84·2	84·0	85·0
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings in degrees absolute at exact hours, Greenwich Mean Time.

24. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulb above ground) = 12·5 metres. **September, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	83·2	82·1	82·1	81·4	81·4	81·4	81·8	82·4	83·2	84·6	85·6	86·3	86·6	87·1	86·9	85·6	85·2	85·3	85·1	85·0	84·8	84·5	84·5	84·5	84·2
2	84·4	84·5	84·5	84·6	84·6	84·6	84·9	85·0	85·4	85·6	85·9	85·9	86·0	86·1	86·1	85·9	85·6	85·2	84·9	84·5	84·4	84·3	83·6	83·4	85·0
3	83·6	83·7	83·4	83·4	83·3	83·2	83·6	83·8	84·0	84·2	84·5	85·5	86·3	87·0	87·1	86·8	85·9	85·2	84·8	84·2	84·2	83·4	83·2	83·4	84·5
4	83·5	83·6	83·3	83·3	83·3	83·1	83·4	83·8	83·8	84·4	84·5	84·5	85·5	86·2	86·3	86·8	86·5	85·4	84·6	84·4	84·4	84·2	84·1	83·9	84·4
5	83·8	83·7	83·8	84·0	83·9	84·0	83·9	84·0	84·2	84·6	85·1	85·8	86·3	86·4	87·5	87·4	86·5	86·2	86·3	86·5	86·1	85·9	86·0	85·8	85·3
6	85·8	85·8	85·5	85·9	84·9	84·4	83·7	84·6	86·1	86·9	87·4	87·3	86·6	86·4	86·0	85·6	85·3	85·0	84·5	83·5	81·7	80·6	80·0	79·1	84·8
7	79·4	78·5	78·3	77·9	77·2	78·6	79·4	80·4	83·8	85·4	86·1	86·1	86·2	86·2	85·5	85·4	85·5	85·4	84·7	83·8	82·5	82·3	82·3	82·2	82·6
8	82·4	82·8	82·9	83·1	83·4	84·2	85·6	86·4	84·8	84·9	85·1	85·5	84·4	84·9	84·6	83·7	83·1	82·7	81·4	80·3	80·4	79·9	79·3	79·2	83·2
9	80·1	78·7	80·4	80·5	80·4	80·7	81·0	81·8	83·2	83·0	83·5	83·6	83·8	83·6	83·9	83·1	82·9	82·3	81·9	81·5	80·4	78·9	77·6	76·9	81·5
10	76·2	76·1	75·9	76·0	76·5	77·8	78·7	79·9	80·9	82·4	84·2	85·4	86·1	85·9	85·6	85·5	85·1	84·5	84·1	84·0	83·9	83·1	82·7	82·4	81·7
11	82·1	81·6	80·9	80·5	80·6	81·0	82·0	83·0	86·2	86·8	88·3	88·2	89·6	87·8	89·4	90·0	90·7	90·4	88·4	87·0	85·3	84·6	83·1	82·4	85·4
12	82·3	83·1	83·7	84·0	84·0	83·9	84·2	84·9	84·7	84·9	85·1	85·6	86·0	85·8	85·5	85·7	85·4	85·0	84·7	84·6	84·1	84·0	84·4	84·4	84·5
13	84·4	84·4	84·4	84·3	84·3	84·3	84·7	85·4	85·9	85·5	85·1	85·3	85·0	85·3	85·3	85·2	85·1	85·0	84·7	84·6	84·4	84·5	84·6	84·7	84·8
14	84·6	84·9	84·9	84·9	84·7	84·7	85·0	85·5	85·7	86·1	86·0	86·0	86·3	86·1	85·6	85·2	84·8	84·1	83·9	83·8	83·6	83·2	83·1	82·3	84·8
15	81·8	81·5	81·1	80·8	80·7	80·6	80·5	81·0	80·8	81·4	82·6	82·4	82·1	82·2	82·9	82·8	82·2	81·7	79·6	78·0	77·1	77·4	77·8	77·0	80·8
16	77·5	78·5	79·1	79·6	79·2	78·9	79·1	79·7	80·6	81·7	83·9	86·3	85·1	85·5	86·2	87·5	87·5	87·7	87·5	87·4	87·3	86·4	85·7	85·3	83·3
17	84·7	85·3	84·7	84·0	84·0	83·1	83·0	84·7	85·4	86·1	86·2	87·6	84·9	84·1	83·5	81·6	81·0	80·2	79·6	79·0	78·1	77·9	77·6	77·0	82·8
18	76·5	76·3	76·2	76·9	77·5	77·1	77·9	80·1	80·9	81·9	83·0	84·7	85·2	85·9	84·9	84·4	84·1	82·7	81·4	79·7	79·4	79·5	79·0	78·6	**80·5**
19	79·7	80·9	80·4	81·8	82·0	82·2	82·6	83·3	83·9	84·4	85·6	86·1	87·0	89·6	90·2	91·3	90·1	89·6	89·5	88·9	87·8	87·7	87·0	86·8	**85·6**
20	86·5	86·6	85·0	84·1	83·6	82·9	83·0	83·4	84·3	84·6	85·7	86·3	87·0	87·0	86·0	85·4	85·0	84·0	83·6	83·4	83·1	83·0	82·4	82·3	84·6
21	82·3	81·7	81·7	81·6	81·4	81·5	81·1	82·4	83·2	83·6	84·1	84·7	84·8	84·8	85·0	85·0	84·7	83·9	80·9	79·8	78·5	77·2	77·0	76·6	82·1
22	76·1	76·0	76·5	75·8	75·5	74·6	75·9	77·9	80·7	82·5	85·0	86·5	87·0	86·5	86·4	85·8	85·4	84·9	83·1	82·0	81·4	81·7	80·7	80·0	81·1
23	79·3	80·0	79·8	80·0	80·0	79·5	79·7	80·9	82·3	82·9	83·0	83·2	83·2	83·4	83·0	82·9	82·8	82·6	82·6	82·6	82·6	82·6	82·5	82·8	81·8
24	83·0	83·2	83·4	83·4	83·3	83·4	83·6	83·8	84·3	84·7	84·1	83·9	83·9	83·7	83·4	83·5	83·2	83·1	83·0	82·4	82·7	82·6	82·3	81·8	83·3
25	81·8	81·0	80·6	80·3	80·1	79·9	80·4	81·1	82·9	84·6	85·4	85·7	85·5	85·1	85·0	84·8	84·5	84·3	84·1	84·1	84·1	84·0	84·2	84·4	83·2
26	84·3	84·2	84·3	84·4	84·4	84·5	84·6	84·7	85·0	85·3	85·0	84·9	84·9	84·9	84·9	84·8	84·6	84·8	84·6	84·4	84·5	84·6	84·6	84·6	84·7
27	84·5	84·5	84·3	84·4	84·4	84·4	84·1	84·4	84·5	84·4	84·1	84·3	84·5	84·5	84·4	84·2	84·4	84·4	84·4	84·4	84·1	83·9	83·8	83·8	84·3
28	84·0	84·0	84·0	84·0	84·0	84·0	84·0	84·1	84·3	84·4	84·7	84·7	84·7	84·4	84·3	84·1	84·1	84·0	83·8	83·7	83·7	81·7	81·6	81·6	83·9
29	81·8	81·8	81·7	81·5	81·4	81·3	81·5	82·1	82·8	83·7	84·1	84·0	84·0	84·2	84·0	83·8	83·6	83·3	83·0	82·9	82·5	82·5	81·9	81·7	82·7
30	81·7	81·8	81·9	82·0	82·1	82·0	82·0	82·6	82·6	83·0	84·0	84·5	84·3	84·2	83·4	83·9	83·9	84·0	83·6	83·4	83·5	83·7	83·7	83·6	83·1
Mean ..	82·0	82·0	82·0	81·9	81·9	**81·9**	82·2	82·9	83·7	84·3	84·9	85·4	85·4	**85·5**	85·4	85·3	85·0	84·6	83·9	83·5	83·0	82·7	82·3	82·1	83·5

25. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **October, 1922.**

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	83·6	83·6	83·5	83·0	82·8	82·5	82·4	82·7	84·5	85·5	86·4	87·0	87·3	86·6	85·9	86·1	85·3	84·0	83·6	83·3	83·6	83·6	83·6	83·6	84·3
2	83·2	82·8	82·0	81·3	79·7	80·0	80·6	82·1	83·7	84·9	85·6	86·5	86·8	85·9	86·6	85·1	84·5	83·6	83·4	82·4	82·0	81·4	81·5	81·1	83·2
3	81·0	80·5	80·6	80·4	80·2	80·0	79·9	81·8	83·0	84·5	85·3	85·7	86·0	86·1	86·3	85·6	85·1	84·7	84·2	84·2	83·9	83·7	83·3	83·0	83·3
4	83·1	83·0	82·9	83·0	83·0	83·1	83·0	83·2	83·2	83·4	83·6	84·2	84·4	84·8	84·6	84·4	84·4	84·4	84·4	84·3	84·4	84·7	84·6	84·4	83·8
5	84·4	84·6	84·6	84·5	84·6	84·7	84·6	84·5	84·3	84·4	84·2	84·4	84·5	84·5	84·4	84·3	84·1	84·2	84·4	84·4	84·3	84·0	83·6	83·1	84·3
6	82·8	82·7	82·9	81·0	79·2	78·6	78·4	79·4	81·4	83·5	83·7	83·9	84·2	84·5	84·3	84·1	83·3	82·3	81·8	81·0	80·2	79·7	79·4	78·5	81·8
7	77·8	77·9	78·0	78·0	77·3	77·9	77·6	78·7	80·7	83·4	85·1	85·7	85·9	86·5	86·4	84·4	84·1	84·0	83·5	83·3	83·0	82·7	82·9	82·9	81·9
8	82·9	82·9	83·0	82·9	82·8	82·7	82·7	83·0	83·4	84·0	84·2	84·4	84·5	84·4	84·3	84·0	83·9	83·7	83·4	83·1	82·9	82·7	82·5	82·3	83·4
9	82·5	82·5	82·1	82·0	81·9	81·8	81·9	82·0	82·4	82·6	82·9	83·3	83·6	83·8	83·3	83·5	83·0	82·7	82·3	82·7	82·6	82·4	82·4	82·3	82·6
10	82·3	82·3	82·3	82·0	82·0	82·9	83·0	83·1	84·2	83·9	84·0	84·1	83·6	84·3	84·0	83·2	83·3	83·1	82·6	82·6	82·6	82·1	82·4	81·7	83·0
11	81·3	81·1	81·4	81·9	81·9	81·3	81·4	82·1	82·3	82·3	82·3	82·6	83·0	83·0	82·9	83·0	82·1	81·6	81·6	81·6	81·5	81·8	82·1	82·0	82·0
12	82·4	81·6	81·9	82·1	82·4	82·9	82·9	83·1	83·6	84·1	84·4	84·2	84·2	83·8	83·7	83·6	83·9	84·0	84·1	84·2	84·4	84·6	84·9	85·2	83·5
13	85·0	84·6	84·3	84·0	83·6	83·4	83·0	83·3	84·2	84·6	85·3	85·2	85·5	85·0	85·0	85·0	84·6	84·4	84·3	84·3	84·4	84·5	84·5	84·6	84·5
14	84·3	84·1	84·2	84·2	84·0	84·2	83·9	84·2	84·9	85·7	86·7	87·4	88·1	88·7	88·9	88·1	86·5	86·0	85·7	85·7	85·6	85·3	84·9	83·6	**85·6**
15	83·0	82·8	82·4	81·6	80·7	80·5	79·6	80·4	82·0	84·4	85·5	86·1	86·5	87·0	86·5	85·4	83·9	83·5	82·8	82·0	81·5	81·6	81·4	81·1	83·1
16	81·2	81·2	81·3	81·6	81·6	81·7	81·8	81·9	82·0	82·5	82·5	82·6	82·4	82·3	81·8	81·7	81·5	81·8	82·0	81·5	81·5	81·2	81·0	80·9	81·7
17	80·9	80·7	81·0	81·0	81·1	81·0	80·8	80·9	81·6	83·1	84·2	84·3	84·2	84·0	83·7	83·4	83·0	82·9	82·6	82·7	82·7	82·9	82·9	82·9	82·4
18	82·8	82·6	82·9	82·9	83·0	82·9	83·0	83·1	83·3	83·4	83·3	83·6	83·4	83·4	83·2	83·1	82·6	82·4	82·3	82·4	82·0	81·9	82·1	82·4	82·8
19	82·3	82·2	82·1	81·8	81·7	81·7	82·0	79·4	82·5	82·7	82·6	83·1	82·6	82·9	82·4	82·4	82·1	82·4	82·3	81·6	82·2	82·3	81·9	81·5	82·1
20	81·6	81·3	81·1	81·0	81·0	81·0	81·1	80·9	80·9	81·3	81·7	81·0	81·8	82·1	82·4	81·4	80·6	80·3	79·9	79·9	80·0	80·0	80·0	80·0	81·0
21	80·0	80·0	80·1	80·1	80·0	80·0	80·0	80·1	80·2	80·3	80·8	80·7	81·0	81·0	80·5	80·2	79·1	79·0	79·0	78·6	78·3	78·3	77·6	77·7	79·7
22	78·0	78·1	78·3	78·2	78·2	78·4	78·4	79·3	80·0	80·4	80·9	80·7	81·0	80·6	80·7	80·1	79·6	79·0	79·0	78·7	78·2	78·2	77·9	77·1	79·1
23	77·0	77·6	77·4	77·0	76·8	76·8	77·4	78·0	78·3	79·7	79·9	80·6	81·0	81·0	81·1	80·4	79·6	79·1	79·0	79·0	79·1	79·0	78·9	78·9	78·8
24	78·5	78·5	78·5	78·2	78·1	78·1	78·0	78·2	78·8	78·8	80·3	80·3	79·3	80·4	80·4	79·9	79·0	77·8	77·6	77·3	76·2	76·6	77·4	77·4	78·5
25	77·6	77·0	77·0	76·4	76·1	76·1	76·0	76·5	77·4	78·9	79·8	80·8	80·9	81·1	81·4	80·9	80·0	79·3	79·1	78·7	78·1	77·3	77·0	77·6	78·4
26	77·0	76·8	77·0	76·2	76·5	75·7	74·2	74·4	75·4	77·3	79·6	80·9	80·5	80·5	80·2	79·4	78·6	76·8	76·4	75·8	74·6	74·6	75·3	75·3	77·1
27	75·6	76·0	76·3	76·6	76·5	76·3	76·3	75·5	76·5	77·9	77·6	78·9	79·0	79·0	78·3	78·2	77·6	77·1	76·5	76·1	75·9	76·0	76·3	75·1	76·9
28	74·8	75·7	75·4	74·3	75·5	74·3	74·7	73·9	75·5	76·8	78·3	79·2	78·0	77·8	78·2	78·2	77·3	76·4	75·5	75·7	76·1	76·3	76·2	75·9	76·2
29	75·1	75·2	74·3	74·3	74·2	73·8	73·8	74·0	75·1	76·7	77·9	78·8	79·0	79·2	78·8	78·2	76·4	75·2	74·6	74·9	75·5	75·5	75·6	75·9	**75·9**
30	75·9	75·5	77·0	76·0	75·6	74·6	75·5	76·8	77·0	77·6	78·4	78·4	77·6	78·0	77·4	77·1	77·1	76·5	76·0	76·0	76·0	75·7	75·1	74·3	76·5
31	74·0	73·5	73·0	73·4	73·9	73·6	73·9	74·0	74·3	74·1	77·9	78·9	79·4	78·9	78·6	78·0	78·3	79·0	79·1	79·1	79·1	79·6	80·0	80·3	76·7
Mean ..	80·4	80·3	80·3	80·0	79·9	79·8	**79·7**	80·0	80·9	81·7	82·4	82·8	**82·9**	82·9	82·8	82·3	81·8	81·3	81·1	80·9	80·7	80·7	80·6	80·4	81·1
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

26. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulb above ground) = 12·5 metres. **November, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	80·4	80·1	80·4	80·2	80·0	80·0	79·9	78·9	77·1	76·7	76·8	77·5	78·8	78·5	77·7	77·0	77·0	76·7	76·5	76·3	75·9	75·8	75·3	74·3	77·9
2	74·5	73·9	74·4	74·4	74·0	74·0	74·6	74·8	75·2	75·6	76·0	76·4	76·6	76·9	76·8	76·1	75·8	75·7	75·1	74·9	75·0	74·5	74·3	74·4	75·2
3	74·6	74·4	75·0	75·0	75·5	74·7	75·0	75·2	76·4	76·3	76·4	76·1	75·6	74·1	74·7	74·9	75·1	74·5	74·0	74·0	73·7	73·6	72·5	73·1	74·8
4	73·0	73·0	73·1	73·1	73·5	73·6	73·6	74·1	75·1	75·0	76·1	74·4	75·3	75·1	74·5	74·9	75·3	74·6	74·6	74·4	74·3	74·3	74·8	**74·3**	
5	74·6	74·1	75·3	73·3	72·7	73·2	74·0	74·2	74·0	75·4	76·0	77·0	77·4	77·5	77·3	77·0	77·5	78·5	78·5	78·4	78·6	78·0	78·7	78·9	76·2
6	79·2	79·2	79·3	79·4	79·5	79·8	79·7	79·9	80·1	80·8	80·9	81·0	81·3	81·4	81·6	81·6	81·4	81·4	81·4	81·1	81·0	80·7	80·9	81·6	80·5
7	81·4	81·4	81·4	81·2	81·0	80·7	80·4	80·2	80·1	80·6	81·2	81·6	82·2	82·6	82·5	82·0	80·6	80·1	79·0	78·5	77·2	77·3	77·4	77·2	80·4
8	76·5	76·5	75·9	76·1	76·3	75·4	75·4	75·5	76·4	77·6	79·3	79·7	80·1	80·1	80·0	79·2	78·7	78·8	78·6	78·4	78·0	78·0	77·9	77·5	77·7
9	76·9	76·5	75·7	75·3	75·0	75·2	74·9	74·6	74·8	76·2	77·9	78·5	78·9	78·9	78·8	79·0	79·2	79·5	79·4	79·5	79·6	80·0	80·3	80·4	77·7
10	80·6	80·8	80·9	80·9	80·6	80·7	80·7	80·9	81·0	81·1	81·0	81·0	81·2	81·3	81·5	81·0	81·4	81·0	80·7	81·7	81·2	80·7	80·6	80·6	81·0
11	80·0	79·7	79·2	78·5	77·9	77·4	77·9	77·4	77·9	79·1	80·0	80·6	80·8	81·1	80·8	80·0	77·9	76·7	77·0	76·9	76·9	76·7	77·4	77·6	78·6
12	77·5	77·0	76·8	76·4	76·3	75·9	75·6	74·6	75·4	77·8	80·4	81·8	82·5	82·6	81·7	81·1	81·0	80·5	80·7	80·7	80·6	81·0	81·4	81·6	79·1
13	81·7	81·9	82·3	82·5	82·7	82·7	82·4	82·5	82·8	83·9	84·0	85·2	85·6	85·6	84·5	83·7	82·6	81·4	80·0	79·4	78·7	78·0	77·9	78·7	82·2
14	79·2	79·2	79·0	83·0	82·8	82·6	82·2	82·1	82·7	84·9	85·2	85·3	86·3	82·8	82·0	81·7	81·7	80·9	79·9	79·1	78·3	77·7	77·1	77·2	81·4
15	76·4	76·4	76·0	75·1	74·9	75·0	75·4	75·9	76·0	76·5	77·5	78·9	80·2	81·0	80·8	80·1	78·3	77·1	76·2	76·0	75·1	75·1	75·4	74·3	76·9
16	74·2	75·2	74·1	74·3	75·2	75·7	76·2	76·0	76·5	80·2	81·0	82·6	84·1	85·0	84·9	84·1	83·6	82·8	82·5	82·0	82·1	82·9	82·4	82·0	79·8
17	82·2	82·6	83·0	82·7	83·0	83·0	82·4	82·1	82·6	82·0	82·1	82·0	82·1	82·1	82·0	81·0	80·8	81·0	81·0	81·2	81·6	81·8	81·8	81·6	82·0
18	81·4	81·4	81·2	80·3	80·3	80·3	80·1	79·9	80·2	80·4	81·0	81·4	81·7	81·2	80·8	80·5	79·9	79·5	79·5	79·8	79·9	80·0	80·0	80·1	80·5
19	80·1	79·9	79·8	79·4	79·7	79·7	79·4	79·4	80·5	81·4	82·1	82·4	83·0	83·0	82·3	82·5	82·0	81·9	81·0	81·2	81·2	80·9	80·5	80·5	81·0
20	80·4	80·1	80·7	81·0	81·1	80·7	81·6	81·9	81·8	82·0	82·3	82·3	82·5	82·0	81·5	81·5	81·3	81·1	81·0	80·7	80·0	80·0	79·8	79·7	81·1
21	79·6	80·1	80·1	80·1	79·5	79·4	79·5	79·6	79·0	79·6	79·8	80·0	79·8	79·8	79·3	78·5	78·0	78·9	78·8	79·2	78·9	78·4	78·6	79·0	79·3
22	78·7	79·0	79·1	79·0	79·1	79·2	79·1	78·7	78·7	79·2	80·2	80·9	81·2	81·6	80·8	79·8	79·2	79·0	78·9	80·3	81·0	80·7	81·2	81·1	79·8
23	81·0	80·5	80·4	79·9	80·7	81·6	81·5	81·0	80·4	80·3	81·1	81·6	81·5	81·6	81·1	80·4	80·2	81·0	80·3	79·0	78·0	77·5	76·6	76·1	80·2
24	75·5	75·3	76·0	75·5	75·7	75·9	74·9	75·1	75·0	74·9	74·6	76·0	76·6	76·4	76·5	76·4	76·3	76·1	76·1	76·0	76·0	76·0	75·9	75·4	75·8
25	74·9	74·4	73·8	73·6	74·2	74·2	74·6	75·0	75·3	75·8	77·1	78·7	82·2	82·4	82·1	82·3	82·3	81·5	81·6	82·3	82·4	82·6	81·7	81·6	78·5
26	81·4	80·6	77·3	76·4	76·4	76·4	76·1	75·1	75·0	75·0	75·7	75·0	75·7	75·0	74·2	74·0	73·7	74·1	73·6	73·6	73·4	74·3	74·5	74·4	75·6
27	74·4	74·6	74·7	75·0	74·7	75·1	75·1	75·0	75·1	75·4	75·8	76·2	76·4	76·6	76·6	78·6	79·9	80·1	80·5	81·0	80·8	81·0	80·6	81·0	77·1
28	82·7	83·1	83·3	84·0	84·3	84·7	85·3	85·4	85·1	85·2	85·1	85·0	85·0	85·4	85·6	85·6	85·6	85·4	85·4	84·3	84·0	83·6	83·6	83·1	**84·5**
29	82·6	82·2	82·1	82·4	82·2	82·2	82·6	82·4	82·0	81·3	82·3	83·0	83·0	83·2	82·4	82·4	82·0	82·0	81·9	81·4	81·0	79·9	79·5	79·5	82·0
30	79·0	78·3	79·4	79·3	79·4	78·4	78·2	78·2	78·1	78·6	79·5	79·9	80·1	80·4	80·6	80·3	80·7	80·7	80·6	80·6	80·6	80·3	79·9	79·6	79·6
Mean ..	78·5	78·4	78·3	78·2	78·3	78·2	78·3	**78·2**	78·3	79·0	79·6	80·1	**80·6**	80·5	80·2	79·9	79·6	79·4	79·1	79·1	78·8	78·7	78·6	78·6	79·0

27. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **December, 1922.**

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	79·4	79·2	79·6	79·4	79·5	80·4	80·1	80·4	80·6	80·5	81·2	81·5	81·6	81·6	81·2	81·0	80·2	81·0	80·9	80·0	79·4	79·1	79·4	79·7	80·3
2	80·1	79·9	80·3	80·0	80·1	80·8	82·0	82·4	82·4	82·6	82·9	83·2	83·1	82·9	82·7	82·5	82·5	82·4	82·4	82·4	82·5	82·0	82·2	82·2	81·9
3	82·2	82·2	82·1	82·0	81·6	81·5	81·0	81·1	81·2	80·8	82·3	82·9	83·2	83·0	83·1	82·5	81·8	81·6	81·3	81·4	81·8	81·6	81·8	81·5	81·9
4	81·6	80·0	80·0	79·5	79·9	79·7	81·0	81·4	81·6	82·0	83·1	83·0	82·7	83·6	84·6	84·1	84·3	84·1	83·4	83·7	83·6	84·3	84·8	85·0	82·5
5	83·9	85·2	85·6	85·2	85·2	85·4	85·5	85·4	84·6	84·5	84·3	84·4	84·0	83·6	83·5	83·0	82·7	80·0	79·5	79·3	79·7	79·3	79·0	78·6	83·1
6	78·7	78·8	78·7	78·7	78·5	78·0	78·7	78·6	78·5	78·9	79·3	78·6	78·6	78·9	78·4	78·3	78·3	78·0	78·2	78·3	78·2	78·7	78·8	79·1	78·6
7	79·0	78·8	79·0	78·9	79·6	79·7	81·3	81·4	80·8	82·4	82·1	82·8	82·7	82·8	82·5	80·6	79·0	79·4	79·2	79·2	78·8	78·4	77·9	77·6	80·2
8	77·0	76·7	75·7	75·2	74·9	74·3	75·1	75·0	74·8	74·3	75·0	76·0	76·6	76·7	76·3	75·2	74·1	73·4	73·2	72·9	72·5	72·5	73·0	**73·1**	74·8
9	73·6	73·6	76·6	76·7	76·7	77·6	77·6	77·9	77·6	78·1	78·7	79·5	79·9	79·3	78·8	77·6	77·3	77·1	76·0	75·2	74·9	75·4	76·6	76·5	77·0
10	76·6	77·2	76·9	77·5	77·3	77·4	77·2	77·0	77·1	77·0	77·5	77·9	78·0	77·7	77·6	77·2	77·0	77·0	76·9	76·8	76·1	76·1	75·9	75·6	77·0
11	75·3	75·5	75·4	75·2	74·9	74·0	73·7	73·7	73·5	74·0	73·7	74·0	74·1	74·5	74·4	73·7	74·0	74·2	76·2	77·0	77·2	77·2	**77·3**	78·6	75·0
12	78·3	79·0	79·4	80·2	79·7	80·3	80·8	80·9	81·1	81·4	81·3	81·4	81·9	82·0	82·0	82·0	81·6	81·4	81·5	82·1	82·9	83·4	84·0	84·4	81·2
13	84·4	84·5	84·8	85·0	85·0	85·0	85·0	84·8	84·7	84·3	83·8	83·6	84·1	83·2	83·0	82·1	81·9	81·5	81·8	81·6	81·5	81·2	80·9	80·7	**83·3**
14	80·7	80·6	81·3	81·6	81·6	81·2	81·7	82·1	81·8	81·9	82·2	81·9	80·9	80·0	79·7	79·0	78·4	78·0	77·4	77·0	76·2	77·3	76·5	75·9	79·9
15	75·9	76·0	76·0	75·2	75·4	75·5	76·4	76·7	77·0	76·7	77·2	78·5	79·4	79·0	78·7	77·5	77·2	76·5	76·0	77·0	76·9	75·9	75·4	74·6	76·7
16	74·2	73·7	73·6	72·4	72·9	72·1	71·9	71·6	71·9	71·6	72·0	72·1	73·5	73·7	73·2	72·9	72·4	74·3	75·3	77·3	76·9	77·2	77·9	77·9	**73·8**
17	78·0	78·0	78·0	78·1	77·8	78·0	78·1	78·4	78·7	78·8	79·0	78·8	78·8	78·9	78·7	78·6	78·6	78·5	78·6	78·0	78·0	79·0	78·7	78·8	78·5
18	78·6	78·0	78·4	78·4	78·4	78·9	79·3	78·4	78·1	78·4	78·4	78·5	78·7	78·4	78·0	77·9	78·2	79·1	78·6	77·6	77·9	78·1	78·0	78·1	78·4
19	78·2	78·5	78·9	79·0	78·9	79·1	78·7	79·0	79·2	79·4	79·8	79·9	79·8	79·2	79·6	79·5	79·6	79·3	79·0	78·8	78·1	77·2	76·9	76·4	78·0
20	75·9	75·8	76·1	75·8	75·9	75·5	75·4	75·8	75·6	74·9	74·9	75·3	75·6	75·4	75·7	76·1	76·0	76·4	78·0	77·9	77·5	77·7	77·0	77·6	76·2
21	77·7	77·8	77·1	76·8	76·4	76·3	76·5	76·6	77·3	76·5	77·2	76·7	76·8	76·6	76·0	76·1	77·1	77·8	77·9	78·0	78·3	78·8	79·0	79·1	77·2
22	79·3	79·4	79·3	79·8	79·0	79·0	78·9	79·2	78·1	78·1	78·7	79·3	79·2	79·2	79·5	79·9	79·7	79·7	79·9	80·0	80·1	80·0	80·3	80·6	79·4
23	80·6	80·7	80·2	80·2	80·0	79·9	79·9	79·3	78·7	77·0	78·1	79·4	80·0	80·8	80·4	79·2	78·2	78·2	78·0	77·2	78·2	78·0	78·0	77·9	79·1
24	78·3	78·1	77·8	76·9	77·5	76·9	76·6	76·3	76·5	76·6	76·8	77·3	78·0	77·6	76·9	76·7	76·8	77·0	77·0	77·5	77·7	77·9	77·5	77·7	77·3
25	78·1	78·6	78·7	78·7	78·6	78·9	79·2	79·9	80·0	80·0	80·2	81·0	81·4	81·4	80·7	80·8	80·7	80·2	80·0	79·3	78·9	78·3	78·3	78·0	79·6
26	77·6	77·1	76·9	76·4	76·5	76·6	76·5	76·9	77·0	77·0	78·1	77·9	78·9	79·0	79·2	78·9	78·3	77·6	77·0	76·6	76·7	76·6	76·6	76·3	77·4
27	76·7	77·0	77·0	76·9	77·1	76·5	76·1	76·1	75·8	76·0	76·9	77·3	77·6	77·1	76·6	75·6	75·1	74·6	74·1	73·9	73·6	73·2	72·6	72·9	75·7
28	73·1	73·3	73·9	74·1	74·0	74·5	74·4	75·1	75·0	75·5	75·7	76·7	77·2	76·9	76·3	76·0	75·3	74·7	74·4	74·1	74·8	75·5	75·6	75·6	75·0
29	75·6	75·3	75·3	75·3	75·2	75·1	74·9	74·4	73·8	73·2	73·6	74·0	74·6	75·0	75·0	74·6	74·6	74·3	73·6	73·0	72·9	73·2	73·2	72·7	74·3
30	72·3	72·6	74·5	75·4	78·8	77·9	79·0	78·8	78·4	77·8	77·5	78·0	79·0	78·6	78·2	77·8	77·5	77·5	77·3	77·1	76·3	76·0	76·6	76·7	77·0
31	76·0	76·3	76·3	76·6	76·2	75·8	75·6	75·5	75·3	75·2	75·4	75·7	76·8	76·9	76·6	76·0	75·7	75·4	75·5	75·3	75·4	75·0	75·0	75·0	75·8
Mean ..	78·0	78·0	78·2	78·1	78·2	78·1	78·3	78·4	78·3	78·2	78·6	78·9	**79·2**	79·1	78·9	78·5	78·2	78·1	78·0	77·9	**77·9**	77·9	77·9	77·9	78·3
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

TEMPERATURE: ANNUAL MEANS OF HOURLY VALUES.

From readings, in degrees absolute, at exact hours, Greenwich Mean Time.

28. Aberdeen : North Wall Screen on Tower : $h_t = 12{\cdot}5$ metres. **1922**

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
79·51	79·43	79·27	79·20	79·30	79·53	80·00	80·30	80·74	81·25	81·72	81·99	82·18	**82·23**	82·19	81·97	81·69	81·37	81·02	80·65	80·33	80·08	79·86	79·68	80·64

TEMPERATURE: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the Mean of the day are adjusted for non-cyclic change.

29. Aberdeen : North Wall Screen on Tower : $h_t = 12{\cdot}5$ metres. **1922**

Month.	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	2
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	
Jan.	276·34	−0·21	−0·25	−0·27	−0·18	−0·09	−0·01	−0·04	+0·03	−0·03	+0·15	+0·39	+0·52	**+0·63**	+0·52	+0·35	+0·13	−0·12	−0·23	−0·26	**−0·30**	−0·18	−0·17	−0·17	−(
Feb.	276·84	−0·80	−0·84	−0·89	**−0·95**	−0·86	−0·84	−0·79	−0·59	−0·41	−0·01	+0·44	+0·84	+1·00	+1·39	**+1·42**	+1·24	+0·95	+0·56	+0·38	+0·21	0·00	−0·25	−0·52	−(
Mar.	277·29	−0·91	−1·04	−1·16	−1·32	−1·37	**−1·43**	−1·36	−0·95	−0·26	+0·54	+1·06	+1·20	+1·51	+1·66	**+1·75**	+1·68	+1·39	+0·83	+0·36	0·00	−0·26	−0·45	−0·67	−(
April	277·21	1·30	−1·56	−1·77	−1·87	**−1·96**	−1·83	−1·13	−0·42	+0·22	+0·91	+1·36	+1·78	+1·85	+1·81	**+2·04**	+1·75	+1·60	+1·19	+0·53	−0·04	−0·38	−0·71	−0·95	−
May	283·34	−2·18	−2·36	−2·41	**−2·45**	−2·03	−1·41	−0·58	+0·04	+0·64	+1·18	+1·91	+1·97	+2·14	**+2·31**	+2·17	+2·05	+1·79	+1·49	+0·97	+0·01	−0·65	−1·17	−1·53	−
June	284·62	−2·05	−2·34	−2·62	**−2·65**	−2·11	−1·01	−0·26	+0·23	+0·77	+1·39	+1·62	+1·67	**+2·03**	+1·87	+1·98	+1·76	+1·57	+1·07	+0·80	+0·35	−0·30	−0·80	−1·34	−
July	285·12	1·35	1·41	2·07	2·16	1·85	1·17	0·40	0·08	+0·36	+0·69	+1·15	+1·46	+1·66	**+1·71**	+1·59	+1·55	+1·42	+1·28	+0·96	+0·34	−0·16	−0·54	−0·91	−
Aug.	285·01	−1·47	−1·68	−1·94	**−2·05**	−2·04	−1·64	−0·80	+0·10	+0·77	+1·17	+1·47	+1·39	+1·51	+1·65	**+1·83**	+1·67	+1·32	+1·10	+0·58	+0·06	−0·33	−0·68	−0·86	−
Sept.	283·48	−1·46	−1·47	−1·54	−1·55	**−1·63**	**−1·63**	−1·33	−0·59	+0·19	+0·79	+1·41	+1·87	+1·94	**+2·00**	+1·94	+1·77	+1·47	+1·07	+0·46	−0·02	−0·46	−0·82	−1·14	−
Oct.	281·11	−0·78	−0·87	−0·87	−1·12	−1·27	−1·38	**−1·39**	−1·11	−0·26	+0·58	+1·31	+1·71	+1·77	**+1·84**	+1·68	+1·25	+0·66	+0·25	−0·02	−0·20	−0·35	−0·41	−0·44	−
Nov.	279·02	−0·55	−0·66	−0·72	−0·80	−0·78	−0·80	−0·76	**−0·87**	−0·73	−0·07	+0·57	+1·09	**+1·53**	+1·48	+1·19	+0·89	+0·62	+0·42	+0·12	+0·05	−0·18	−0·29	−0·41	−(
Dec.	278·29	**−0·40**	−0·37	−0·18	−0·24	−0·17	−0·21	+0·01	+0·07	−0·03	−0·06	+0·31	+0·65	**+0·95**	+0·86	+0·67	+0·22	−0·04	−0·18	−0·25	−0·30	−0·36	−0·34	−0·31	−(
Year	280·04	−1·14	−1·27	−1·37	**1·45**	1·35	1·11	0·74	0·35	+0·10	+0·61	+1·08	+1·35	+1·54	**+1·59**	+1·55	+1·33	+1·05	+0·74	+0·39	+0·01	−0·30	−0·55	−0·77	−(

ABSOLUTE EXTREMES OF TEMPERATURE FOR EACH DAY.

Maximum and Minimum for the interval 0h. to 24h., Greenwich Mean Time.

30. Aberdeen : North Wall Screen on Tower : $h_t = 12{\cdot}5$ metres. **1922**

Month	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	M
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	
1	**86·9**	79·0	80·0	74·0	82·4	76·3	78·1	**69·8**	79·7	76·1	83·1	81·2	86·5	80·6	87·5	81·0	87·1	81·3	87·6	82·4	80·7	74·1	81·7	7
2	84·7	73·7	78·5	**72·8**	82·2	76·6	78·6	73·7	83·2	76·0	85·4	81·0	90·0	83·6	87·7	82·0	86·3	83·2	87·0	79·5	77·4	73·8	83·3	7
3	74·9	72·5	77·9	73·3	**84·4**	76·4	77·7	72·5	82·9	75·9	88·9	79·4	90·2	81·9	86·4	82·9	87·4	82·9	86·4	79·6	76·5	**72·3**	83·5	8
4	74·0	71·4	74·6	73·0	82·3	76·0	79·1	72·6	84·9	77·5	89·3	81·5	85·0	82·7	85·8	82·7	87·1	82·8	84·8	82·8	76·6	72·7	85·4	7
6	75·3	73·6	74·6	**72·8**	81·5	75·5	78·0	72·5	86·3	78·7	89·0	81·2	87·6	82·5	87·8	80·6	87·8	83·5	84·7	83·1	79·0	72·5	**86·1**	7
6	77·9	74·7	75·0	73·6	82·1	77·6	80·2	71·6	88·3	80·1	89·4	82·0	84·7	80·3	86·4	80·5	87·6	79·1	84·6	78·3	81·7	78·9	79·5	7
7	77·8	74·9	77·2	74·9	80·0	75·0	79·4	72·4	91·0	82·0	87·4	81·0	88·3	80·4	87·1	83·4	86·6	77·1	86·6	77·1	82·7	77·1	83·0	7
8	79·8	74·6	80·3	76·6	80·2	75·1	77·6	73·6	89·4	80·0	93·0	81·7	86·7	**78·4**	86·2	84·0	86·6	79·2	84·6	82·3	80·4	75·1	77·6	7
9	82·5	73·7	78·7	76·1	77·9	73·0	78·6	75·4	82·2	78·3	88·0	84·0	85·8	83·1	85·7	83·1	84·2	76·9	83·9	81·7	80·5	74·4	79·9	7
10	78·1	75·5	78·5	76·1	80·3	74·4	79·5	74·5	81·7	76·9	88·9	81·4	88·0	82·6	86·9	82·1	86·4	75·5	84·4	81·6	81·9	80·4	78·0	7
11	77·2	74·1	79·1	75·5	83·9	77·2	78·8	74·3	82·1	76·1	87·1	80·4	88·4	82·7	86·7	**80·2**	91·0	80·0	83·4	81·1	81·2	76·4	78·6	7
12	77·0	73·1	78·6	75·0	82·6	77·3	80·8	73·2	79·9	**74·4**	**95·1**	82·3	88·7	83·4	85·9	80·4	86·1	82·1	85·2	81·5	82·7	74·6	84·4	7
13	75·6	72·3	77·5	73·7	82·4	76·5	81·0	75·4	84·4	75·6	89·0	79·1	86·7	84·0	89·6	81·5	85·9	84·2	85·8	82·9	85·7	77·2	85·2	8
14	77·2	74·4	78·5	73·6	81·3	77·0	79·2	73·0	88·7	78·2	85·1	**78·0**	89·3	83·8	88·1	81·9	86·5	82·3	**89·2**	83·6	**86·3**	77·0	82·3	7
15	76·6	73·6	77·8	75·6	82·8	77·7	82·3	76·7	80·9	79·3	86·5	81·7	88·0	82·4	89·5	83·3	83·3	77·0	87·1	79·4	81·2	74·3	79·9	7
16	75·6	72·8	78·1	75·5	80·3	77·3	79·4	74·8	87·7	79·7	89·0	80·8	90·3	84·4	91·1	84·6	87·7	77·0	82·7	80·9	85·0	73·7	78·0	**7**
17	75·1	**67·7**	77·2	73·5	78·0	75·7	79·1	73·8	89·1	82·8	86·7	79·4	89·3	84·3	88·5	83·4	88·3	76·9	84·4	80·3	83·2	80·8	79·0	7
18	77·0	70·3	76·6	73·7	77·4	75·9	79·4	73·9	89·2	81·9	87·4	80·5	88·0	83·4	88·1	82·0	86·0	76·1	83·7	81·8	81·8	79·4	79·3	7
19	79·0	74·5	78·9	74·1	78·3	74·5	80·7	72·9	88·7	81·4	90·1	81·9	88·6	82·4	**95·0**	82·6	**91·4**	78·5	83·4	79·3	83·3	79·2	79·9	7
20	77·0	74·0	77·1	73·4	77·3	72·9	80·1	74·5	86·7	82·1	91·9	81·9	88·3	82·4	90·3	83·3	87·3	82·3	82·6	79·4	82·5	79·7	78·3	7
21	79·2	77·0	77·7	74·0	77·6	72·9	80·5	75·5	92·5	82·9	88·6	80·4	91·2	83·7	87·1	83·3	85·1	76·6	81·1	77·4	80·2	77·8	79·1	7
22	79·0	76·7	79·6	74·4	78·5	74·0	78·6	76·3	91·6	81·4	87·4	82·1	88·1	81·5	86·5	83·7	87·1	**74·0**	81·3	77·0	**81·6**	78·2	80·7	7
23	79·1	75·5	82·3	74·4	79·4	72·1	80·2	76·2	85·1	80·4	85·3	83·1	85·5	82·7	87·1	81·8	83·6	79·3	81·5	76·7	81·7	76·1	80·8	7
24	75·6	72·4	**85·7**	77·5	77·6	74·6	**82·9**	76·0	87·2	80·8	88·2	82·4	86·4	81·7	85·8	81·0	84·8	81·8	80·9	76·1	76·6	74·4	78·6	7
25	77·0	72·1	84·0	79·2	77·5	75·0	81·5	75·5	87·9	82·6	85·4	79·4	86·1	80·7	86·2	80·3	86·0	79·8	81·4	75·6	82·7	73·4	81·5	7
26	77·3	76·0	83·0	76·7	78·6	75·0	79·3	75·1	91·3	82·0	86·6	81·9	88·5	81·7	88·0	81·0	85·6	84·1	80·9	74·0	81·6	73·4	79·4	7
27	76·3	75·2	80·1	75·6	78·8	73·7	80·6	77·0	87·6	80·4	88·5	80·7	88·9	82·5	89·9	84·3	84·6	83·7	79·3	75·1	81·1	74·3	77·6	7
28	78·6	76·1	80·6	74·6	78·8	73·8	80·9	76·6	93·1	78·4	88·9	81·7	90·3	81·0	88·4	81·8	84·9	81·4	79·5	73·9	85·7	81·0	77·5	7
29	79·0	78·2	—	—	77·3	74·3	81·5	76·8	86·3	81·0	88·0	79·6	**92·2**	84·3	88·4	81·5	84·7	81·3	79·3	73·0	83·4	79·2	75·6	7
30	78·6	78·0	—	—	77·3	71·9	82·0	77·5	93·1	80·0	86·6	81·4	90·6	81·7	89·4	83·3	85·3	81·7	79·2	74·3	80·9	78·0	79·1	7
31	79·3	78·0	—	—	75·7	**70·2**	—	—	**95·5**	82·2	—	—	88·2	81·7	88·0	83·8	—	—	80·3	**72·8**	—	—	77·2	7
Mean	78·0	**74·4**	78·8	74·8	79·8	75·0	79·9	74·5	87·0	79·5	88·1	81·1	**88·2**	82·3	87·9	82·3	86·4	80·1	83·4	78·9	81·5	76·3	80·3	7

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Percentages, at exact hours, Greenwich Mean Time, determined as explained on page 13.

31. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **January, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	81	81	75	70	71	74	71	75	76	71	67	67	67	67	69	72	67	63	63	71	68	69	79	70	**71·2**	**9·5**
2	68	84	78	81	81	74	75	78	68	67	68	75	79	93	79	71	75	75	70	71	73	74	77	77	75·3	6·1
3	83	84	99	98	90	83	90	92	87	88	92	99	96	97	85	86	86	83	95	96	82	88	83	80	89·2	5·6
4	80	92	96	75	85	88	88	95	92	92	97	95	76	73	71	78	76	77	77	77	74	84	79	85	83·3	5·3
5	80	80	74	77	77	69	74	74	73	75	84	89	91	91	89	85	88	87	88	89	91	97	95	99	83·7	5·8
6	97	96	96	98	98	98	99	100	98	100	100	98	98	97	97	99	99	99	98	97	98	97	97	97	**98·0**	7·6
7	100	99	100	99	100	97	96	96	95	99	95	97	92	87	85	92	93	95	90	91	88	90	92	94	94·3	7·2
8	90	89	91	94	91	94	93	95	95	84	79	74	72	71	72	76	78	77	76	81	82	82	80	80	83·5	7·0
9	82	86	82	82	87	92	93	94	96	97	97	91	83	74	72	73	68	68	71	67	68	71	70	66	80·7	7·1
10	66	76	71	71	75	70	72	71	73	78	74	69	71	70	68	75	74	74	79	78	72	74	69	69	72·4	5·8
11	73	73	76	71	74	72	77	83	88	82	75	82	79	91	82	82	78	78	83	91	89	85	77	82	79·9	5·9
12	80	82	80	79	78	82	81	84	86	88	84	84	82	82	81	85	86	94	95	95	95	82	84	83	84·6	6·1
13	81	82	85	91	88	88	83	84	83	84	85	85	83	85	83	83	85	92	94	96	96	97	97	95	87·5	5·8
14	93	95	92	92	94	92	92	93	92	90	84	83	82	84	85	77	70	66	65	69	71	71	68	66	82·5	6·2
15	83	85	76	76	74	74	67	67	67	66	67	66	67	65	81	83	88	90	91	92	89	85	89	95	77·9	5·5
16	93	88	91	94	96	88	85	81	85	86	84	79	81	80	85	79	76	76	77	90	90	90	88	70	85·2	5·8
17	73	76	86	82	84	86	93	94	94	94	93	91	87	87	87	88	91	93	93	93	94	93	91	91	88·5	4·9
18	92	93	92	93	94	95	95	76	77	79	77	83	90	93	93	93	97	92	89	90	91	91	93	91	89·5	5·9
19	93	93	91	93	92	86	84	88	88	90	91	91	91	92	89	90	90	89	88	79	78	82	82	83	88·2	7·0
20	83	80	83	85	87	85	87	88	87	84	81	84	80	78	77	82	82	83	85	87	87	84	82	85	83·5	6·1
21	81	81	85	83	86	84	84	82	81	81	81	84	88	91	93	91	90	91	93	93	93	93	96	94	87·3	7·9
22	93	93	90	94	94	94	94	95	95	95	97	94	90	88	93	99	99	98	97	94	91	91	91	90	93·8	8·2
23	91	93	94	94	88	85	85	83	77	81	79	79	80	80	85	88	81	82	72	70	69	67	73	72	81·5	7·0
24	67	71	67	71	68	67	71	68	67	65	69	70	68	76	65	62	63	62	85	81	86	79	80	95	71·3	**4·8**
25	90	85	90	90	86	86	85	82	76	85	87	91	92	90	89	89	87	83	86	85	83	83	79	78	86·1	6·2
26	79	82	81	86	89	90	90	89	90	92	85	85	81	77	74	73	74	74	75	75	73	75	72	73	80·7	6·3
27	71	72	71	72	70	69	67	69	69	71	70	70	67	71	72	74	76	76	75	73	76	85	88	92	73·2	5·5
28	90	90	90	90	92	90	90	92	92	88	89	86	85	85	88	89	90	87	90	91	92	93	94	90	89·7	7·3
29	88	95	97	98	91	91	94	94	90	90	91	93	93	95	97	97	97	97	96	98	98	98	96	96	94·5	8·6
30	96	97	97	99	97	96	94	93	93	93	91	91	94	97	96	96	94	93	93	93	90	91	93	91	94·2	8·4
31	93	88	84	87	88	91	93	93	95	95	97	94	93	93	93	93	91	91	93	91	93	94	94	94	92·1	8·3
Mean ..	84·2	85·8	85·8	**86·0**	**86·0**	84·8	85·2	85·4	84·7	84·8	84·2	84·5	83·2	83·9	**83·1**	83·9	83·5	83·4	84·6	85·3	84·5	85·0	84·8	84·6	84·6	†6·6
Vapour Pressure* ..	mb. 6·4	mb. 6·5	mb. 6·5	mb. 6·6	mb. 6·7	mb. 6·6	mb. 6·6	mb. 6·6	mb. 6·6	mb. 6·7	mb. 6·7	mb. **6·8**	mb. 6·7	mb. 6·7	mb. 6·5	mb. 6·6	mb. 6·4	mb. **6·3**	mb. 6·4	mb. 6·4	mb. 6·5	mb. 6·5	mb. 6·5	mb. 6·5	mb. §6·6	

32. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **February, 1922.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	95	95	95	95	98	98	96	99	97	97	91	90	90	87	67	71	75	82	83	85	84	85	86	85	88·8	7·1
2	87	91	92	92	92	87	89	89	87	84	83	84	81	83	89	91	94	97	94	88	88	88	87	88	88·5	6·9
3	89	89	87	88	85	81	80	82	82	86	84	87	90	85	88	91	92	91	95	93	91	90	92	93	87·9	6·6
4	93	93	93	88	84	83	83	80	82	87	78	77	77	82	80	80	83	77	78	77	77	85	90	92	83·3	5·4
5	92	92	90	89	87	85	80	87	87	87	87	87	88	87	86	87	83	83	83	88	88	82	80	82	86·3	5·5
6	87	88	91	92	93	87	87	85	82	82	82	82	77	82	82	77	80	80	80	82	86	89	88	88	84·4	5·7
7	91	93	91	90	90	87	88	84	87	82	82	82	83	84	86	88	84	84	85	85	85	82	82	81	85·8	6·6
8	82	85	83	81	81	82	84	84	85	85	87	86	86	82	82	85	83	83	87	86	83	83	84	81	83·7	7·4
9	84	86	86	86	88	90	90	90	94	95	94	91	91	82	82	84	84	85	90	90	92	89	84	83	87·9	7·3
10	85	88	82	82	79	79	82	81	81	80	79	80	79	75	78	78	75	77	78	80	82	83	88	86	80·6	6·6
11	82	84	81	76	67	72	76	74	74	72	72	64	64	66	76	71	65	74	77	82	84	85	87	88	75·5	6·0
12	87	90	90	82	87	90	89	87	80	83	79	79	80	81	81	85	82	85	84	85	84	76	79	68	83·5	6·6
13	71	71	73	77	77	91	92	83	76	73	71	73	73	73	71	73	73	78	73	80	77	76	76	73	75·9	5·4
14	63	64	64	67	69	72	72	75	70	66	63	62	61	63	62	67	70	71	69	72	72	73	74	76	**68·1**	**5·3**
15	82	75	78	83	84	84	84	90	90	93	93	95	95	97	94	97	95	97	99	97	95	95	95	95	90·5	7·3
16	95	97	95	95	93	92	91	91	91	91	94	94	95	95	94	93	93	90	88	89	92	94	90	86	**92·6**	7·7
17	90	89	89	88	88	86	90	88	89	87	87	89	86	88	92	90	91	90	90	93	94	94	94	96	89·7	6·2
18	96	96	93	91	91	89	91	91	92	94	90	93	93	87	87	87	85	87	83	82	76	75	73	76	87·8	6·2
19	67	72	77	79	78	72	79	83	85	90	92	91	94	91	92	94	96	97	90	78	71	66	69	70	82·3	6·4
20	71	74	73	74	77	75	76	75	76	65	65	64	63	65	67	70	73	76	78	78	79	79	82	83	73·0	5·2
21	83	84	85	88	85	84	84	85	88	94	91	91	89	91	88	85	77	79	81	82	77	80	83	82	84·9	6·5
22	88	84	84	86	83	83	85	85	85	82	84	85	78	68	62	61	63	68	75	75	84	85	89	91	79·5	6·4
23	88	88	90	92	93	93	94	89	88	78	77	69	63	66	63	60	64	71	67	71	77	82	79	81	78·7	7·2
24	79	88	88	94	93	95	93	93	93	89	89	87	88	82	83	77	71	73	73	74	75	75	76	76	83·6	**9·5**
25	76	77	76	76	77	76	77	78	80	85	80	81	78	76	78	76	74	75	78	85	87	89	85	74	79·0	9·2
26	75	73	75	78	81	83	85	84	86	86	87	89	88	83	66	66	64	69	68	71	72	79	78	78	77·6	7·5
27	78	76	75	74	72	74	76	76	75	68	63	65	62	64	73	72	86	89	89	88	79	77	74	74	75·0	6·3
28	81	76	81	81	82	82	78	79	78	79	81	66	65	66	70	68	69	72	74	73	76	77	73	73	75·0	6·3
Mean ..	83·5	84·2	84·2	84·4	84·1	84·0	**84·7**	84·5	84·3	83·6	82·3	81·5	80·6	79·7	**79·3**	79·4	79·4	81·4	81·7	82·5	82·4	82·6	82·7	82·1	82·5	†6·7
Vapour Pressure* ..	mb. **6·3**	mb. 6·3	mb. 6·3	mb. 6·3	mb. 6·3	mb. 6·3	mb. 6·4	mb. 6·5	mb. 6·6	mb. 6·7	mb. 6·8	mb. 6·9	mb. 6·9	mb. 7·0	mb. **7·1**	mb. 6·9	mb. 6·8	mb. 6·8	mb. 6·7	mb. 6·7	mb. 6·6	mb. 6·4	mb. 6·4	mb. 6·3	mb. §6·6	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. § Mean of the row.

Percentages at exact hours, Greenwich Mean Time. *Determined as explained on page* 13.

33. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **March, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	74	74	79	78	75	78	82	82	80	74	71	60	61	63	61	64	64	70	73	69	74	77	73	76	72·1	6·7
2	76	74	76	76	73	75	74	72	67	66	62	60	55	55	56	54	62	67	69	70	70	73	78	81	**68·3**	6·1
3	83	85	89	92	94	94	94	97	96	92	88	84	75	64	57	60	61	67	70	71	74	76	79	82	80·1	8·0
4	83	83	84	82	82	87	88	87	86	71	60	57	49	59	54	57	62	66	72	73	72	75	77	78	72·7	6·8
5	81	82	84	84	88	89	91	91	92	93	93	92	84	80	80	83	80	75	74	74	83	72	68	67	82·7	7·5
6	71	72	72	71	72	72	72	74	71	66	65	64	61	60	65	70	73	73	78	80	83	87	93	91	72·7	6·9
7	91	90	93	90	91	91	87	87	86	81	74	66	65	61	74	65	76	80	80	80	81	79	79	77	80·5	6·8
8	78	76	78	80	85	84	84	83	80	78	72	81	79	66	73	66	68	75	77	77	70	73	75	81	76·5	6·4
9	73	77	77	76	88	92	92	89	85	81	88	87	77	67	65	63	61	64	60	62	64	64	73	79	75·2	5·5
10	86	89	89	89	85	82	81	82	84	86	79	77	77	64	59	62	64	64	66	71	71	73	77	78	76·5	6·3
11	77	78	78	79	82	81	78	74	72	73	71	68	66	65	66	68	70	69	75	79	82	83	80	76	74·6	7·8
12	77	76	79	79	82	85	85	90	95	99	94	92	89	92	76	76	76	77	78	78	80	82	85	87	83·5	8·0
13	89	91	92	93	94	94	93	95	91	85	82	82	81	81	80	80	81	85	85	85	87	91	87	90	87·2	8·2
14	87	88	90	91	93	91	95	93	94	90	83	80	78	88	86	79	80	81	86	88	89	83	83	86	86·8	8·4
15	86	87	86	90	88	88	88	91	85	80	78	80	79	80	78	80	80	83	84	87	87	90	92	93	84·9	**8·7**
16	94	96	95	97	95	97	95	94	93	90	90	90	89	87	85	89	87	89	90	93	93	94	97	97	**92·3**	8·4
17	97	99	98	99	99	100	100	98	94	91	91	91	85	84	85	85	85	85	85	85	85	85	85	88	91·0	7·4
18	86	86	86	87	86	87	87	88	87	85	85	82	82	82	84	82	85	86	86	84	87	87	87	86	85·5	6·7
19	87	87	85	85	85	85	85	84	83	83	87	92	93	91	87	86	88	81	82	79	68	71	64	65	83·1	6·4
20	63	64	59	80	66	85	90	70	73	68	83	82	73	85	66	67	83	72	79	85	74	62	62	76	73·4	5·1
21	85	80	86	93	90	87	84	80	71	72	71	69	77	72	84	74	79	82	85	86	89	89	85	88	81·3	5·7
22	88	86	85	82	83	82	80	79	71	65	60	59	58	59	63	65	66	68	72	76	77	79	85	86	74·0	5·6
23	88	85	85	89	87	82	82	80	69	67	62	61	61	66	64	64	66	72	75	77	73	76	78	83	74·7	5·5
24	83	80	81	82	79	76	80	81	81	79	86	88	86	88	88	87	82	88	92	92	92	90	92	95	85·1	6·6
25	97	95	93	97	97	97	97	95	95	93	91	91	91	91	89	91	91	91	87	85	84	84	90	92	91·9	7·2
26	90	92	91	91	91	90	87	90	90	90	84	84	88	88	84	88	81	88	88	89	89	88	88	90	88·3	6·8
27	91	91	92	91	93	93	93	95	93	85	81	82	91	94	94	85	77	74	75	80	87	89	91	94	87·9	6·4
28	96	92	89	91	89	88	82	72	67	63	60	61	72	62	66	63	69	76	78	79	82	82	84	84	77·2	5·8
29	85	83	80	82	82	80	82	81	75	69	71	65	80	82	71	71	84	90	88	91	91	91	88	86	81·1	5·9
30	85	88	87	89	86	87	89	88	84	81	70	93	89	87	85	87	83	87	91	90	94	93	93	93	87·3	6·0
31	93	93	93	93	93	92	92	92	76	69	50	51	64	67	65	68	69	77	78	83	90	90	89	90	79·9	**5·0**
Mean ..	84·5	84·5	84·9	86·4	86·2	**86·8**	86·7	85·6	82·8	79·5	76·8	76·5	76·0	75·2	73·9	**73·5**	75·3	77·5	79·3	80·6	81·4	81·5	82·5	84·4	80·9	†6·7
Vapour Pressure* ..	mb. 6·7	mb. 6·6	mb. 6·5	mb. 6·5	mb. 6·5	mb. 6·5	mb. 6·5	mb. 6·7	mb. 6·7	mb. 6·8	mb. 6·9	mb. 6·9	mb. **7·0**	mb. **7·0**	mb. 6·9	mb. 6·8	mb. 6·8	mb. 6·8	mb. 6·7	mb. 6·6	mb. 6·5	mb. 6·5	mb. **6·4**	mb. 6·5	mb. §6·7	

34. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **April, 1922.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	90	92	92	92	90	86	84	86	91	82	72	77	77	82	69	81	72	85	88	89	89	89	92	92	84·9	5·6
2	91	91	90	89	89	91	85	88	85	82	84	72	79	90	79	68	65	77	85	90	89	93	93	90	84·8	6·3
3	88	90	92	92	92	92	92	82	85	78	77	72	77	77	78	74	77	77	81	83	87	87	89	90	83·7	5·9
4	97	97	96	96	95	95	84	82	81	76	66	70	71	67	66	68	65	72	75	77	77	82	87	86	80·4	5·8
5	95	95	97	96	96	96	93	95	82	80	78	70	72	80	70	73	74	76	80	82	86	96	97	97	85·4	6·0
6	97	97	96	96	95	95	95	75	58	61	64	63	64	62	58	63	66	72	75	75	79	83	83	86	77·6	5·8
7	87	96	96	93	93	93	93	93	81	82	76	72	74	82	76	80	78	78	84	89	86	89	90	90	85·4	6·6
8	91	88	89	82	82	91	84	90	98	97	91	77	68	66	64	65	63	63	63	63	59	58	57	60	76·0	5·7
9	57	58	55	54	57	54	59	60	61	57	56	58	58	58	58	59	61	62	66	68	71	73	74	77	**60·9**	**4·8**
10	80	80	83	85	83	84	83	79	74	71	75	78	75	75	74	79	79	77	84	85	91	88	91	91	80·7	6·5
11	94	92	92	92	92	93	91	88	83	82	86	88	88	87	87	88	87	84	82	84	85	87	88	90	87·9	6·8
12	90	90	94	95	94	95	95	95	86	86	82	77	78	75	73	75	77	77	86	88	94	96	93	97	86·9	7·3
13	95	93	95	97	95	97	97	93	92	87	84	77	76	73	73	68	69	82	79	82	85	83	83	84	85·2	7·2
14	89	91	89	87	88	88	91	88	85	81	86	86	87	90	87	89	87	90	95	95	97	99	100	100	89·9	7·2
15	100	100	100	100	100	100	100	98	97	94	91	92	89	83	82	84	82	79	83	85	88	88	87	88	91·5	**9·1**
16	88	87	86	85	88	89	88	86	88	83	81	80	81	77	76	80	74	76	84	77	69	76	82	80	81·9	6·7
17	76	79	86	82	82	82	83	84	78	71	71	63	65	64	67	67	62	67	67	70	72	71	75	74	73·4	5·8
18	71	71	69	71	74	76	72	67	63	63	63	64	63	67	70	70	69	68	70	70	74	81	85	85	70·4	5·9
19	96	97	97	98	98	89	84	79	75	74	75	74	74	79	75	75	77	76	81	84	85	88	90	90	83·6	6·9
20	92	94	91	93	95	99	92	93	88	84	81	78	78	78	75	76	81	81	81	84	84	85	86	86	85·7	7·2
21	86	85	85	85	90	90	89	88	86	83	86	85	85	85	84	85	77	73	81	83	81	85	88	91	84·7	7·4
22	94	92	94	95	95	95	97	97	97	94	88	91	91	89	87	88	84	88	91	95	94	92	93	93	**92·2**	7·7
23	92	93	93	93	95	93	93	89	88	86	88	87	90	87	87	83	87	93	93	92	94	92	88	86	90·2	7·8
24	83	84	85	82	80	82	75	68	72	68	64	62	59	62	60	84	89	91	91	87	86	89	91	90	78·4	7·1
25	88	91	91	92	91	88	92	85	88	79	75	74	72	69	65	61	64	72	78	82	87	89	89	91	81·4	7·4
26	88	91	89	91	91	87	81	78	88	88	86	82	85	87	91	83	86	82	84	88	87	87	85	88	86·4	7·3
27	89	88	88	90	88	86	82	74	73	80	76	78	80	87	76	78	76	75	78	82	84	86	89	87	82·1	7·5
28	84	84	85	81	89	88	91	77	74	67	68	67	66	69	69	65	64	67	76	76	86	84	80	79	76·7	7·0
29	80	80	85	85	92	91	87	83	89	86	80	81	80	79	80	77	76	80	81	83	83	83	82	81	82·6	7·7
30	86	86	84	81	82	84	82	80	80	85	91	89	94	92	89	76	68	72	82	87	87	91	91	92	84·4	8·0
Mean ..	87·8	88·4	88·8	88·3	89·0	**89·0**	87·1	84·0	82·2	79·6	78·0	76·1	76·5	77·3	74·8	75·4	**74·5**	77·1	80·8	82·5	83·9	85·7	86·6	87·0	82·5	†6·8
Vapour Pressure* ..	mb. 6·5	mb. 6·5	mb. 6·4	mb. **6·4**	mb. 6·4	mb. 6·4	mb. 6·6	mb. 6·6	mb. 6·8	mb. 7·0	mb. 7·1	mb. 7·1	mb. 7·1	mb. **7·2**	mb. 7·1	mb. 7·0	mb. 6·9	mb. 6·9	mb. 6·9	mb. 6·8	mb. 6·7	mb. 6·7	mb. 6·7	mb. 6·7	mb. §6·8	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. § Mean of the row.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 13.

35. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **May, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	89	91	92	90	90	89	87	81	81	78	88	81	81	80	80	80	80	76	76	74	80	82	86	79	83·2	7·2
2	84	81	79	77	77	76	78	76	73	69	59	60	65	65	60	57	68	66	63	66	74	78	79	82	71·3	7·2
3	85	81	83	85	83	80	76	75	71	74	69	75	75	83	86	85	90	90	84	88	77	75	74	74	80·1	8·1
4	76	72	79	79	77	75	77	75	74	66	77	62	64	66	60	61	66	72	74	76	76	75	75	70	71·9	7·6
5	70	73	78	74	75	77	61	57	57	54	52	57	45	50	63	58	74	66	63	70	69	68	72	72	64·7	7·7
6	73	72	73	75	77	79	81	84	84	77	76	80	78	74	73	72	66	56	59	63	64	73	71	76	73·1	9·2
7	73	77	81	91	93	92	88	87	87	79	72	71	71	63	63	63	60	65	65	67	68	66	68	68	74·3	11·4
8	68	70	71	72	73	78	70	68	60	62	62	54	50	48	62	51	52	56	57	65	71	68	72	72	63·7	9·5
9	70	69	73	79	77	74	68	72	68	58	59	57	54	55	58	58	65	66	65	67	68	70	73	72	66·5	6·4
10	71	71	72	75	75	75	73	75	72	63	71	57	69	59	59	57	56	56	60	64	69	71	74	73	67·4	6·5
11	77	80	78	88	87	87	71	62	61	59	56	59	57	53	56	58	59	59	68	76	74	77	81	88	69·3	6·4
12	85	87	84	83	84	90	84	82	76	63	64	65	73	61	58	63	64	65	80	78	70	73	74	77	74·5	**6·3**
13	73	75	79	82	79	75	72	73	76	68	61	73	74	73	69	74	74	79	87	87	74	67	70	73	74·5	7·5
14	76	80	84	87	83	76	72	71	62	54	50	52	48	52	54	56	59	58	72	87	70	58	63	65	66·4	8·4
15	65	63	68	72	70	71	75	81	85	89	94	98	98	98	99	99	99	97	97	99	99	99	98	98	87·3	8·7
16	98	100	100	97	100	94	93	91	90	88	92	90	88	79	79	79	78	81	84	86	88	92	91	92	**89·7**	11·6
17	91	92	93	93	92	87	87	83	81	79	77	77	79	78	80	82	81	83	85	87	83	83	85	86	84·5	12·2
18	87	86	87	85	80	72	74	67	61	59	54	54	51	53	54	51	52	56	59	61	65	70	70	73	66·1	9·6
19	76	76	73	71	68	67	67	65	60	59	59	56	52	49	50	44	46	47	52	57	59	63	68	68	60·6	8·2
20	73	73	80	81	81	80	78	65	74	63	62	62	64	67	69	67	70	80	88	89	87	89	89	91	75·4	9·7
21	90	90	86	84	87	88	86	80	76	79	73	72	65	62	60	67	71	72	73	82	88	93	96	95	79·7	**13·0**
22	96	96	97	98	99	95	88	81	78	78	54	57	50	49	52	54	52	43	44	52	59	65	70	70	70·4	11·0
23	75	80	79	80	78	65	67	67	70	66	72	71	70	82	91	91	94	93	94	96	94	94	89	85	80·6	9·9
24	84	74	76	75	76	74	64	62	62	69	62	62	60	70	73	73	78	81	73	84	86	86	84	84	73·9	9·6
25	82	86	84	86	86	85	85	82	74	65	63	64	70	71	66	67	64	69	72	71	75	75	78	82	75·1	10·7
26	83	80	81	81	82	85	86	82	78	53	46	45	44	44	59	51	46	48	47	52	55	60	57	60	63·2	9·9
27	66	63	62	64	64	59	57	53	53	51	52	49	46	46	51	48	52	52	54	58	62	68	68	73	**56·9**	7·5
28	76	81	81	76	78	81	81	76	70	64	60	57	56	52	46	45	42	45	47	52	70	76	80	78	65·3	9·7
29	84	82	80	82	86	76	74	76	75	73	72	76	73	73	75	81	79	84	85	92	94	96	95	96	81·3	10·5
30	96	93	89	86	82	73	67	58	57	56	57	59	71	69	66	69	72	50	56	56	60	58	59	53	68·1	11·5
31	62	62	59	59	60	57	56	50	44	38	73	76	75	76	77	77	78	82	79	84	87	87	89	91	69·1	11·8
Mean ...	79·2	79·2	80·0	**80·9**	80·6	78·5	75·6	72·8	70·6	66·2	65·7	65·4	65·0	**64·5**	66·1	65·7	67·3	67·5	69·7	73·7	74·7	76·0	77·4	77·9	72·5	†9·2
Vapour Pressure* ..	mb. **8·4**	mb. **8·4**	mb. **8·4**	mb. 8·5	mb. 8·7	mb. 8·9	mb. 9·0	mb. 9·1	mb. 9·1	mb. 8·9	mb. 9·3	mb. 9·3	mb. 9·4	mb. 9·4	mb. **9·5**	mb. 9·4	mb. 9·4	mb. 9·3	mb. 9·3	mb. 9·3	mb. 8·9	mb. 8·8	mb. 8·7	mb. 8·6	mb. §9·0	

36. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **June, 1922.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	92	91	94	94	97	99	98	97	97	96	96	93	94	94	92	93	96	87	89	89	89	90	88	88	**93·1**	10·7
2	89	90	87	88	88	85	81	74	78	76	78	79	82	84	86	87	88	90	91	89	92	80	80	83	84·5	10·7
3	82	84	80	85	71	67	62	63	56	51	58	56	58	57	62	79	71	74	72	71	72	74	67	70	68·7	8·9
4	72	69	63	68	76	74	73	72	74	72	63	60	59	57	57	55	58	61	63	69	73	70	66	65	66·3	9·4
5	70	70	72	74	72	65	58	56	57	53	53	55	51	52	53	55	58	58	58	69	64	66	67	67	**61·3**	8·7
6	68	72	74	73	69	61	59	57	55	53	56	53	51	51	55	70	72	75	77	79	79	77	81	83	66·3	9·4
7	83	86	84	85	85	83	76	77	70	69	73	72	78	74	69	70	76	82	86	87	90	90	90	93	80·1	11·0
8	94	96	96	97	97	96	96	87	82	80	80	81	79	83	73	64	61	78	68	68	76	79	80	81	82·4	**13·0**
9	83	82	85	82	84	83	83	86	84	80	79	82	79	79	82	70	66	62	67	65	70	77	83	82	78·1	11·8
10	87	86	86	81	81	78	69	67	66	66	73	83	75	74	85	87	90	92	91	83	64	69	73	72	78·5	11·3
11	73	72	71	76	74	69	66	64	61	57	54	55	56	55	58	58	62	62	67	70	73	75	78	79	65·9	8·5
12	81	82	81	74	74	73	63	64	68	59	60	62	49	54	57	58	55	59	62	68	73	75	77	89	67·2	12·7
13	92	92	91	89	88	88	86	77	80	68	70	65	60	57	62	59	58	58	61	62	71	75	77	83	73·8	9·0
14	86	84	83	84	80	75	71	67	66	59	59	64	65	59	59	59	64	67	67	69	73	74	76	79	70·5	**8·1**
15	81	83	83	83	85	86	83	83	82	80	70	71	65	64	63	70	66	69	74	77	81	80	81	81	76·7	9·8
16	80	78	78	78	80	72	73	71	64	64	66	66	68	68	70	66	59	55	55	60	66	69	69	69	68·7	9·8
17	72	71	68	68	65	61	59	57	60	55	57	57	58	59	59	59	73	83	72	71	70	71	72	77	65·4	**8·1**
18	83	82	85	92	93	84	88	81	84	74	62	71	70	71	82	75	77	84	83	85	87	85	88	87	81·2	10·8
19	78	79	83	74	72	72	68	62	53	56	52	73	77	80	77	78	76	75	73	81	79	81	84	85	73·7	10·9
20	87	86	87	78	79	88	88	94	88	80	77	69	65	52	47	44	47	45	45	51	57	58	63	64	68·7	10·4
21	65	70	73	72	70	66	61	58	57	50	58	53	56	54	48	69	68	82	87	86	87	89	91	88	68·6	9·2
22	87	86	88	89	89	85	80	79	77	74	78	80	82	89	73	71	78	81	85	86	83	86	87	88	82·5	10·9
23	90	88	91	93	92	96	97	96	97	97	95	92	91	88	89	90	89	90	90	92	92	92	92	93	92·1	11·9
24	92	93	93	93	89	81	76	72	60	56	68	71	71	74	70	72	79	73	76	83	84	85	86	86	78·6	11·2
25	89	89	89	92	90	87	81	76	75	74	79	81	75	79	79	91	90	90	87	91	89	88	89	89	84·9	10·3
26	86	85	85	88	81	77	73	74	70	69	67	79	76	80	82	79	86	88	92	89	94	95	95	94	82·6	11·0
27	96	95	89	89	86	80	61	60	57	55	55	50	54	55	60	59	59	59	74	78	74	81	84	84	70·8	9·7
28	80	82	83	81	75	69	66	57	58	55	54	62	60	62	50	71	70	70	77	56	61	61	66	69	66·8	9·2
29	72	74	76	75	72	67	72	64	81	71	65	63	57	63	60	55	49	52	57	60	64	66	68	70	65·5	8·4
30	75	72	73	72	75	73	68	65	62	76	78	79	86	88	87	80	84	88	86	88	90	93	92	93	79·6	10·2
Mean ..	82·2	82·3	**82·4**	82·2	81·0	78·0	74·5	71·9	70·6	**67·5**	67·8	69·2	68·2	68·5	68·2	69·8	70·8	73·0	74·4	75·7	77·2	78·4	79·7	81·0	74·8	†10·2
Vapour Pressure* ..	mb. 9·7	mb. 9·6	mb. **9·4**	mb. **9·4**	mb. 9·6	mb. 9·9	mb. 9·9	mb. 9·9	mb. 10·2	mb. 10·1	mb. 10·3	mb. 10·5	mb. 10·6	mb. 10·5	mb. 10·5	mb. **10·7**	mb. **10·7**	mb. **10·7**	mb. 10·6	mb. 10·6	mb. 10·2	mb. 10·1	mb. 9·9	mb. 9·8	mb. §10·1	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. § Mean of the row.

Percentages, at exact hours, Greenwich Mean Time. *Determined as explained on page* 13.

37. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **July, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	93	95	92	91	89	86	79	83	91	95	92	92	91	88	85	85	87	92	97	92	91	93	90	90	90·0	11·6
2	89	86	87	86	85	82	78	78	76	76	76	73	71	73	63	61	63	69	65	69	69	70	71	75	74·9	11·4
3	77	79	78	83	84	83	76	76	69	59	55	58	57	55	63	66	68	62	60	66	88	89	90	80	71·6	10·7
4	80	80	84	87	87	86	90	92	89	92	90	88	91	91	95	94	92	85	89	94	91	92	92	92	89·0	11·5
5	89	82	84	84	84	83	82	74	74	69	70	62	63	65	79	90	91	86	93	93	93	92	91	92	81·9	10·9
6	93	95	95	96	96	96	96	96	96	93	95	97	98	100	89	84	85	76	79	82	74	72	72	72	89·0	10·5
7	71	72	76	78	73	70	65	60	58	58	57	59	61	79	83	79	76	73	87	91	92	91	92	93	74·3	9·7
8	97	96	93	94	93	89	77	79	77	71	71	72	80	81	82	86	90	93	95	95	95	95	93	96	87·0	10·7
9	97	99	98	95	96	97	98	98	98	96	93	92	90	89	88	91	92	94	94	90	91	92	92	92	**93·9**	12·3
10	91	89	84	81	79	78	76	76	72	68	67	65	60	60	57	63	77	79	80	83	82	87	87	87	76·3	10·3
11	88	92	88	88	88	87	88	84	79	75	76	75	74	73	69	70	72	71	59	73	75	75	76	76	78·2	11·0
12	78	77	78	75	73	71	69	72	73	73	69	72	71	68	80	81	81	86	83	85	86	88	89	90	77·5	11·6
13	91	95	92	95	96	93	91	96	89	88	81	84	82	87	87	89	93	93	92	93	93	93	88	87	90·4	12·7
14	88	86	87	87	90	89	90	89	86	82	72	68	67	67	66	66	74	76	78	80	85	92	95	94	81·3	12·0
15	93	96	94	93	92	93	88	89	81	77	79	73	75	86	84	85	89	91	92	92	98	98	98	98	88·8	12·4
16	99	96	95	91	89	87	80	79	76	80	71	68	64	65	66	65	64	71	75	80	83	88	92	92	80·0	12·5
17	95	90	91	91	90	85	84	77	75	72	69	69	76	77	80	82	80	88	89	87	84	84	85	85	82·9	12·3
18	85	86	86	85	82	81	82	85	86	82	77	74	71	72	72	68	68	68	69	74	81	80	85	83	78·5	11·1
19	85	85	86	88	91	84	78	76	72	69	67	67	65	70	73	75	74	77	82	86	89	87	91	90	79·3	11·0
20	92	91	91	91	89	90	90	86	85	82	80	81	81	85	85	85	84	84	86	87	90	91	92	94	87·1	**13·0**
21	94	90	89	89	90	89	94	94	92	91	91	87	83	75	73	58	55	50	55	61	65	71	78	79	79·2	12·3
22	82	82	81	83	80	77	78	73	73	70	72	69	68	65	76	79	81	83	85	86	90	92	91	92	79·2	11·1
23	91	91	92	94	94	91	84	83	79	77	76	72	70	72	73	73	74	71	74	76	76	73	77	78	79·9	10·7
24	77	79	73	75	74	69	75	70	73	72	76	66	68	64	63	65	66	65	69	77	82	87	90	90	73·3	9·4
25	91	89	92	88	88	83	87	77	73	77	70	69	72	70	62	61	61	60	63	70	73	75	78	80	75·6	**9·2**
26	79	81	83	86	84	83	86	80	78	79	87	91	95	98	96	92	93	91	90	92	88	78	87	76	86·5	12·1
27	77	73	77	80	78	78	71	62	62	62	61	66	66	71	76	75	75	80	81	84	91	89	86	81	75·0	10·9
28	84	82	80	77	78	76	65	65	56	60	58	58	61	60	61	65	66	58	81	82	74	78	77	75	70·0	11·0
29	81	81	80	81	78	88	86	83	85	88	84	84	83	79	79	76	68	74	74	72	72	75	73	66	78·9	12·5
30	64	69	77	77	82	69	65	62	62	59	55	55	58	55	54	54	59	62	67	68	70	72	77	82	**65·3**	10·1
31	84	85	84	82	82	76	74	78	86	75	82	72	66	73	71	63	73	86	85	79	87	86	86	83	79·1	10·9
Mean ..	**86·3**	86·1	86·0	86·2	85·6	83·5	81·4	79·7	78·1	76·4	74·8	**73·5**	**73·5**	74·6	75·2	75·0	76·5	77·2	79·6	81·9	83·8	84·7	85·8	85·2	80·4	†11·3
Vapour Pressure* ..	mb. 10·9	mb. 10·7	mb. **10·5**	mb. **10·5**	mb. 10·7	mb. 10·8	mb. 11·0	mb. 11·1	mb. 11·2	mb. 11·2	mb. 11·3	mb. 11·3	mb. 11·5	mb. 11·6	mb. 11·7	mb. 11·7	mb. 11·7	mb. 11·7	mb. **11·9**	mb. 11·7	mb. 11·6	mb. 11·4	mb. 11·4	mb. 11·0	mb. §11·3	

38. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **August, 1922.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	85	85	87	87	88	87	83	73	71	67	75	85	85	88	78	74	77	80	83	90	83	86	86	87	82·0	11·1
2	86	82	79	78	80	76	73	69	70	71	69	67	69	75	74	78	90	82	90	90	87	87	87	89	79·0	10·7
3	87	87	84	87	89	91	87	79	70	77	77	79	86	80	87	90	85	87	90	91	91	90	92	93	85·6	11·4
4	91	92	92	92	92	93	91	82	80	81	79	93	90	78	83	82	83	81	81	83	85	87	90	92	86·4	11·3
5	93	92	93	94	94	94	90	89	81	78	78	73	75	72	69	70	71	75	81	83	85	84	87	88	83·0	11·1
6	91	92	90	97	94	94	94	88	82	81	81	83	85	85	86	87	87	89	92	95	94	95	95	92	89·5	11·9
7	90	92	95	93	91	91	92	89	88	83	78	83	86	85	76	76	75	77	83	81	81	75	83	87	84·7	11·9
8	90	91	91	89	91	91	90	86	85	86	88	85	86	86	82	85	82	84	85	85	85	86	90	89	87·0	12·3
9	89	84	81	73	76	75	72	74	67	73	73	67	63	67	67	66	67	70	71	74	78	81	82	85	74·0	9·9
10	83	84	85	84	82	85	80	75	70	70	64	59	64	63	67	69	71	72	75	78	80	84	85	89	75·7	10·2
11	92	90	92	93	92	92	89	81	82	78	76	79	75	74	71	73	76	80	85	86	83	84	87	88	83·3	10·6
12	91	91	91	92	88	87	83	85	77	77	79	88	89	92	92	96	96	96	95	95	95	95	95	94	89·8	11·4
13	80	79	82	82	83	81	76	73	68	66	55	63	72	82	72	67	61	64	69	76	81	79	80	76	74·0	10·6
14	71	72	74	76	75	75	76	66	61	58	66	64	67	72	72	69	66	80	73	77	82	85	83	81	72·4	10·3
15	81	83	84	80	81	79	76	69	68	61	58	59	64	58	62	73	77	78	86	84	87	81	88	83	75·0	11·3
16	85	90	92	91	93	95	95	96	92	94	90	89	86	80	74	76	83	81	78	72	64	66	66	67	83·5	13·0
17	81	83	84	85	85	88	87	86	79	74	71	75	76	70	70	68	88	76	74	74	78	81	75	76	78·3	11·0
18	76	72	75	73	73	77	76	66	67	63	62	63	62	62	61	59	62	61	60	68	63	67	64	68	66·8	9·5
19	72	71	77	76	80	78	76	68	66	72	79	71	74	69	67	60	69	74	70	73	71	72	74	75	**72·1**	12·0
20	78	76	80	77	76	82	74	71	70	68	64	70	69	79	80	77	78	78	80	78	85	87	85	85	76·7	11·8
21	85	84	84	82	78	80	82	72	72	72	69	75	74	71	72	82	78	77	77	83	80	84	89	88	78·7	11·3
22	91	95	95	96	97	99	96	95	91	90	83	78	78	77	77	84	83	85	90	91	89	91	95	95	89·1	11·2
23	94	94	93	92	89	92	90	88	86	84	84	75	65	62	60	63	63	69	67	74	79	83	77	81	79·6	10·5
24	80	78	78	78	80	78	71	69	63	66	62	66	65	68	65	72	76	77	86	91	91	91	91	91	76·2	9·6
25	92	93	92	92	89	88	86	72	67	66	63	63	69	67	58	64	66	62	62	62	66	66	71	74	73·3	**9·1**
26	75	71	69	75	78	78	73	68	58	57	57	59	64	68	71	70	75	84	88	89	87	90	91	92	74·1	10·2
27	94	95	96	96	94	94	94	91	87	89	94	93	68	62	66	58	65	74	79	81	80	81	82	85	83·4	13·0
28	90	88	93	91	93	92	90	83	86	78	78	80	77	75	71	72	75	72	85	89	95	92	91	93	84·4	11·9
29	94	93	93	93	94	93	92	95	97	99	96	93	94	98	85	85	86	82	83	83	87	87	87	88	90·8	12·7
30	91	90	91	94	96	97	94	86	79	83	73	82	89	94	95	99	99	95	96	100	99	99	99	100	92·3	13·3
31	100	98	100	99	98	98	98	96	94	97	96	98	94	91	93	87	83	92	94	96	99	97	100	99	**95·7**	**13·8**
Mean ..	86·4	86·0	**86·8**	86·7	86·7	87·1	84·7	80·0	76·6	76·1	74·7	76·0	76·1	75·8	**74·4**	75·1	77·3	78·5	80·9	83·0	83·5	84·3	85·4	86·1	81·2	†11·3
Vapour Pressure* ..	mb. 10·9	mb. 10·7	mb. 10·6	mb. **10·5**	mb. 10·6	mb. 10·9	mb. 11·2	mb. 11·2	mb. 11·3	mb. 11·4	mb. 11·5	mb. 11·6	mb. 11·7	mb. **11·8**	mb. 11·7	mb. 11·7	mb. 11·7	mb. 11·7	mb. 11·7	mb. 11·6	mb. 11·4	mb. 11·2	mb. 11·2	mb. 11·2	mb. §11·3	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. § Mean of the row.

Percentages, at exact hours, Greenwich Mean Time. *Determined as explained on page* 13.

39. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **September, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	99	99	97	100	100	100	100	97	97	95	95	91	89	82	84	90	91	91	92	91	92	93	92	91	**93·8**	12·3
2	92	89	90	90	90	89	85	86	82	78	78	79	82	80	78	80	80	84	84	86	86	85	90	91	84·7	11·8
3	91	90	88	88	89	91	87	87	90	86	88	84	79	76	76	75	78	80	82	85	85	88	89	89	85·1	11·5
4	89	90	91	90	90	91	90	87	90	86	86	88	83	82	82	81	83	88	91	93	92	93	93	96	88·4	11·8
5	97	96	97	96	97	97	98	98	97	94	92	89	88	88	83	83	87	89	86	81	82	86	87	89	90·9	**12·9**
6	90	91	96	91	87	85	81	76	71	63	63	63	72	71	74	77	80	83	84	88	90	91	91	91	81·2	11·2
7	91	89	89	91	91	90	89	89	84	76	76	76	76	76	81	82	77	76	79	86	88	88	88	90	84·1	10·0
8	89	89	91	89	89	88	85	87	82	78	70	65	67	64	68	70	65	65	71	78	81	85	87	88	78·8	9·7
9	84	90	83	81	75	72	69	69	62	65	60	59	59	59	58	61	61	63	66	67	72	77	81	83	69·9	7·7
10	87	86	86	86	86	81	80	75	75	69	68	68	68	69	71	74	79	79	83	83	82	86	86	82	78·7	8·8
11	83	87	89	90	89	86	88	87	79	74	62	62	59	81	79	79	69	66	66	70	80	81	85	87	78·1	11·1
12	87	90	92	90	89	87	86	82	85	83	84	85	83	85	83	82	83	83	89	91	83	87	95	91	86·4	11·6
13	89	89	94	96	96	92	92	94	90	94	94	95	94	92	94	92	94	92	93	92	95	93	92	92	92·9	12·1
14	93	93	91	89	93	96	96	91	87	84	79	80	77	76	80	79	79	79	82	79	75	79	75	89	84·3	11·5
15	90	91	85	81	75	68	69	66	72	70	63	64	66	61	60	59	60	66	74	81	84	80	77	82	72·8	7·7
16	81	75	76	77	77	79	89	90	90	90	85	78	87	89	89	85	88	88	88	85	79	82	88	87	84·1	10·4
17	86	69	69	67	70	76	78	77	73	70	70	64	81	85	81	90	79	82	78	73	76	75	75	77	76·1	9·2
18	78	75	76	67	66	72	71	66	65	66	65	58	55	57	57	58	62	67	76	77	81	74	81	84	68·8	**7·1**
19	83	87	94	90	93	96	97	97	96	94	89	88	88	79	78	66	73	72	63	60	56	55	59	62	80·3	11·6
20	63	63	67	67	69	68	70	68	61	59	57	56	56	57	64	63	69	75	74	68	68	69	75	75	**65·6**	8·9
21	73	78	79	79	77	78	83	72	69	66	63	64	62	59	55	55	59	65	77	77	83	85	86	86	71·9	8·3
22	86	84	86	85	85	89	84	80	72	69	64	61	59	62	60	64	68	71	84	85	86	87	88	90	77·0	8·3
23	90	89	89	88	90	90	90	85	76	71	63	67	67	66	68	68	70	71	73	73	76	76	79	79	77·5	8·7
24	81	87	87	88	84	86	86	87	83	81	82	83	84	87	91	90	92	92	92	95	92	93	92	93	87·5	10·9
25	89	92	92	94	93	93	94	95	93	90	88	87	88	85	84	81	82	82	84	85	83	84	86	86	88·1	10·9
26	87	89	89	84	87	86	86	88	83	83	84	86	88	89	90	90	92	90	92	95	96	96	96	96	89·0	12·2
27	95	93	95	92	92	91	94	90	89	90	95	94	91	91	94	95	91	89	87	86	87	90	92	91	91·5	12·2
28	89	90	91	91	91	91	91	91	91	91	91	91	91	95	95	97	97	97	96	96	95	85	82	83	91·8	11·9
29	81	81	78	76	77	78	76	75	74	70	67	67	67	67	71	73	73	76	79	81	86	86	93	96	76·7	9·2
30	96	96	97	99	96	95	92	92	80	79	73	79	78	77	86	87	87	89	93	96	96	96	96	96	89·6	11·1
Mean ..	87·0	86·9	**87·5**	86·4	86·1	86·0	85·9	84·1	81·3	78·8	76·5	**75·7**	76·1	76·2	77·1	77·5	78·3	79·7	81·9	82·8	83·6	84·2	85·9	87·1	82·2	†10·4
Vapour Pressure* ..	mb. 9·9	mb. 9·9	mb. 9·9	mb. 9·8	mb. **9·7**	mb. **9·7**	mb. 9·9	mb. 10·1	mb. 10·4	mb. 10·5	mb. 10·6	mb. 10·8	mb. 10·9	mb. **11·0**	mb. **11·0**	mb. 10·9	mb. 10·8	mb. 10·7	mb. 10·6	mb. 10·4	mb. 10·2	mb. 10·0	mb. 10·0	mb. 10·0	mb. §10·3	

40. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **October, 1922.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	97	96	96	98	97	96	97	89	78	69	68	63	65	72	80	74	83	89	79	82	82	83	82	82	83·5	11·1
2	85	86	86	86	90	85	84	81	76	65	60	57	58	60	55	65	70	73	70	72	74	78	76	80	73·9	9·1
3	78	79	80	81	82	81	81	75	72	66	61	60	63	63	65	76	80	81	85	90	92	96	93	92	77·7	9·7
4	92	92	96	97	97	99	99	97	97	96	97	97	97	96	97	99	99	99	99	99	99	99	99	100	**97·3**	12·4
5	99	96	95	96	96	96	97	99	99	97	99	99	99	99	99	97	99	92	89	89	90	87	84	79	95·1	**12·6**
6	79	79	77	85	90	91	94	93	91	82	81	78	74	76	75	75	79	84	84	86	90	87	90	91	83·5	9·5
7	92	92	92	92	94	94	97	96	94	90	84	79	82	79	77	94	94	95	95	95	95	94	93	93	90·9	10·3
8	96	95	95	96	96	97	96	95	93	89	82	84	83	85	84	84	83	84	88	88	91	91	93	92	90·0	11·3
9	92	91	92	92	93	93	93	94	95	91	88	87	84	80	84	80	87	89	91	90	91	92	92	91	89·7	10·7
10	91	92	89	90	90	87	86	85	76	73	73	75	72	73	73	73	72	71	75	67	70	70	71	74	78·2	9·5
11	71	78	78	72	70	75	78	73	74	73	73	76	76	70	70	72	75	75	76	78	79	73	73	75	74·3	8·4
12	74	83	87	87	87	88	88	87	87	86	87	86	89	92	95	93	93	92	93	96	95	95	96	92	89·1	11·3
13	92	92	91	92	91	90	92	91	90	91	85	83	79	81	81	86	90	90	90	91	91	86	83	81	88·1	11·9
14	82	87	81	81	81	82	82	78	75	74	75	74	74	76	76	79	83	85	86	88	87	89	90	92	81·3	11·7
15	93	96	95	97	96	97	97	94	94	91	85	80	75	68	70	80	92	96	97	96	96	95	92	92	90·2	11·1
16	92	92	91	90	89	89	88	85	87	86	85	85	86	86	88	88	89	97	96	95	93	92	92	93	89·7	10·1
17	92	92	91	92	91	91	92	91	92	86	83	81	78	77	78	75	76	74	72	71	72	65	65	67	81·5	9·6
18	71	74	73	76	76	78	77	76	75	79	70	77	68	71	68	69	71	76	72	71	71	68	73	70	72·9	8·8
19	70	69	68	67	67	70	68	81	72	71	77	71	72	69	72	72	78	70	72	74	72	67	76	80	**71·7**	8·3
20	73	75	75	77	76	78	77	81	81	75	75	86	79	74	71	83	84	79	83	82	79	76	74	73	77·9	8·3
21	68	73	71	68	71	71	71	71	71	76	69	75	70	70	72	75	78	81	77	82	81	81	85	84	74·4	7·3
22	82	83	86	87	91	93	93	94	84	77	73	79	67	72	70	76	77	78	79	77	83	87	87	88	81·7	7·7
23	88	85	87	87	88	88	91	89	91	85	87	84	82	85	74	81	86	89	91	90	89	90	87	87	86·7	8·0
24	90	91	91	94	93	96	94	91	88	90	82	74	85	81	71	74	81	81	85	87	90	90	89	89	86·5	7·8
25	89	90	90	92	94	94	94	92	89	83	80	72	70	65	65	72	78	83	83	84	87	88	88	85	83·7	7·5
26	88	89	89	92	90	90	91	91	93	85	73	70	65	66	66	69	73	79	82	84	88	88	85	90	82·2	6·7
27	92	95	95	86	90	86	86	91	81	70	76	66	63	67	67	68	67	71	72	75	81	77	75	82	78·5	6·3
28	83	81	87	87	81	84	88	88	85	83	83	81	84	88	88	78	82	89	91	88	90	90	89	88	85·5	6·5
29	93	90	93	89	87	86	85	82	82	74	74	72	73	71	71	74	79	82	86	85	84	85	90	87	82·3	**6·2**
30	88	90	84	90	90	91	91	89	89	87	86	83	91	90	91	89	94	93	95	96	96	95	99	96	90·8	7·1
31	96	91	89	91	88	86	75	81	80	82	74	71	69	75	78	84	83	81	80	80	80	78	78	79	81·6	6·5
Mean ..	86·1	86·9	86·8	87·3	87·5	**87·8**	**87·8**	87·1	84·9	81·3	78·9	77·6	76·5	76·7	**76·5**	79·2	82·4	83·8	84·3	84·8	85·7	84·9	85·1	85·3	83·6	†9·1
Vapour Pressure* ..	mb. 8·8	mb. 8·9	mb. 8·9	mb. 8·7	mb. **8·6**	mb. 8·7	mb. **8·6**	mb. 8·7	mb. 9·0	mb. 9·0	mb. 9·2	mb. **9·4**	mb. 9·3	mb. 9·3	mb. 9·2	mb. 9·2	mb. 9·3	mb. 9·1	mb. 9·0	mb. 9·0	mb. 9·0	mb. 8·9	mb. 8·9	mb. 8·7	mb. §9·0	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. § Mean of the row.

Percentages, at exact hours, Greenwich Mean Time. Determined as explained on page 13.

41. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **November, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	77	84	81	88	86	86	87	87	91	92	92	88	78	75	74	74	72	73	77	73	76	73	78	84	81·0	7·0
2	77	80	74	75	80	92	77	77	65	65	62	58	60	62	66	70	70	70	71	74	74	77	76	75	72·1	**5·2**
3	75	75	69	68	65	67	68	68	70	75	80	87	91	93	92	89	84	85	90	87	87	88	87	77	79·8	5·5
4	78	83	84	84	88	90	98	95	80	72	82	77	93	90	88	92	85	82	91	88	87	82	82	80	85·4	5·7
5	83	82	79	83	86	83	82	82	85	81	81	78	81	82	85	85	84	82	84	90	90	90	91	91	83·9	6·4
6	89	90	93	94	94	91	95	95	97	96	98	100	99	99	97	97	99	95	95	99	99	98	96	98	**95·8**	9·9
7	100	96	95	96	97	96	97	97	97	92	86	87	82	77	77	77	79	84	85	84	88	87	85	85	88·9	9·1
8	88	86	85	86	86	88	88	87	86	87	82	77	75	77	77	83	84	88	90	87	86	87	87	84	84·6	7·2
9	85	83	84	85	85	85	83	83	83	80	74	75	70	72	72	71	67	66	66	67	69	71	74	79	76·3	6·6
10	79	79	81	85	89	89	90	92	94	95	98	98	99	99	99	98	99	100	96	96	95	89	79	78	91·5	9·7
11	81	80	81	82	87	88	85	88	88	83	79	78	76	66	67	73	77	85	82	84	82	81	80	79	80·5	7·3
12	81	84	86	87	87	88	88	89	88	89	85	82	81	81	85	88	86	92	90	90	90	88	86	87	86·4	8·1
13	87	87	86	87	86	87	88	88	88	82	81	79	78	78	83	87	88	92	90	94	93	93	94	94	86·9	**10·0**
14	93	92	90	82	86	93	96	97	91	75	75	78	75	88	87	89	85	87	89	90	92	91	95	92	87·9	9·6
15	93	92	90	93	89	89	90	87	90	90	87	79	73	73	76	80	84	85	86	88	97	91	88	89	86·7	7·0
16	91	85	87	89	88	88	90	91	89	80	83	80	74	67	66	66	69	73	74	77	75	70	73	76	79·5	7·8
17	77	77	77	80	80	86	93	97	93	87	87	87	82	81	77	81	87	82	85	85	85	81	72	71	83·0	9·5
18	74	76	79	92	93	90	96	91	90	90	86	82	78	79	80	85	87	89	92	89	89	89	90	92	86·1	8·9
19	89	95	91	87	82	81	81	82	80	82	83	82	79	79	78	80	79	83	83	83	83	84	89	89	83·6	8·9
20	86	86	84	82	80	83	79	79	78	76	77	78	74	76	79	76	75	78	78	81	90	88	85	85	80·6	8·6
21	83	77	75	76	81	81	78	76	77	78	76	74	75	75	78	82	85	82	81	82	81	84	82	78	79·2	7·5
22	82	81	82	84	85	83	83	83	81	82	80	77	77	76	83	87	87	86	87	81	78	80	80	84	81·9	8·1
23	85	87	88	89	83	78	83	94	85	88	78	73	62	63	64	67	68	64	71	81	79	74	72	73	77·3	7·8
24	75	71	70	76	74	76	86	85	86	86	91	84	74	67	67	69	67	65	64	66	65	67	71	71	73·9	5·5
25	72	71	74	75	74	70	67	67	69	70	76	76	69	70	72	71	73	78	71	66	65	68	78	75	**71·5**	6·5
26	78	87	89	92	92	87	83	87	85	84	71	82	68	76	80	85	86	90	93	93	89	85	83	83	84·3	6·1
27	83	76	79	78	82	76	78	83	85	85	81	82	82	83	86	84	80	77	77	75	77	78	78	84	80·4	6·5
28	79	80	82	77	73	76	74	74	76	72	72	72	70	68	69	70	71	74	66	67	66	65	66	66	72·3	9·7
29	69	71	71	70	73	73	72	75	81	93	87	77	77	72	83	77	77	76	73	72	72	76	77	78	75·7	8·7
30	81	81	80	82	82	86	88	87	87	87	86	83	85	82	83	89	86	86	86	87	86	82	85	83	84·5	8·2
Mean ..	82·3	82·5	82·2	83·5	83·8	84·2	84·8	**85·4**	84·5	83·1	81·9	80·3	77·9	**77·5**	79·0	80·7	80·7	81·6	82·1	82·5	82·8	81·9	82·0	82·0	82·1	†7·8
Vapour Pressure* ..	mb. 7·4	mb. **7·3**	mb. **7·3**	mb. 7·4	mb. 7·4	mb. 7·4	mb. 7·5	mb. 7·5	mb. 7·5	mb. 7·7	mb. 7·9	mb. **8·1**	mb. **8·1**	mb. 8·0	mb. 8·0	mb. 8·0	mb. 7·8	mb. 7·8	mb. 7·7	mb. 7·7	mb. 7·6	mb. 7·5	mb. 7·4	mb. 7·4	mb. §7·6	

42. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **December, 1922.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	86	89	87	89	87	81	84	82	86	89	85	84	84	84	85	84	88	86	80	85	83	85	81	80	84·8	8·7
2	79	87	89	94	94	90	86	81	76	72	70	68	68	68	69	71	71	71	73	72	79	74	75	77	77·1	8·7
3	77	76	77	78	79	79	79	75	74	75	71	70	68	70	73	77	78	79	82	79	78	76	76	79	76·0	8·6
4	78	86	85	86	86	86	83	80	79	78	75	77	85	80	75	76	74	75	78	76	75	69	65	66	78·3	9·2
5	71	66	64	67	70	70	71	73	80	77	81	77	80	82	81	86	68	75	80	87	77	77	82	83	75·7	**9·3**
6	78	76	77	73	77	80	75	76	79	77	76	82	82	82	80	80	81	82	83	81	81	81	81	77	79·2	7·1
7	80	84	80	79	78	81	78	80	92	78	84	80	82	81	82	92	91	92	92	82	83	84	85	87	83·4	8·4
8	91	85	88	87	88	93	91	90	88	93	88	86	86	81	80	85	85	94	94	96	97	98	98	98	89·8	6·2
9	90	90	90	90	92	95	92	91	95	94	91	89	81	82	84	85	89	85	87	90	88	90	83	85	88·9	7·2
10	85	82	82	80	81	78	78	78	78	81	80	77	77	77	79	82	83	82	85	85	86	86	85	85	81·3	6·6
11	85	84	84	85	83	83	87	91	93	86	87	87	82	85	84	90	90	87	87	86	87	88	88	86	86·4	6·0
12	87	86	86	85	90	92	89	87	86	82	85	86	88	83	82	84	87	89	88	83	85	86	85	83	86·1	**9·3**
13	83	83	82	83	84	84	82	81	69	66	64	61	55	62	60	67	70	70	69	73	80	91	90	92	74·9	**9·3**
14	92	93	92	92	92	92	88	82	82	81	74	69	70	72	72	75	76	77	78	78	83	74	78	80	81·2	8·0
15	77	77	76	81	79	81	79	79	81	82	81	78	71	75	76	78	78	83	84	80	82	85	88	89	79·8	6·3
16	93	90	90	97	97	97	97	97	97	97	96	96	96	97	97	97	97	100	84	76	82	80	74	69	**91·8**	**5·9**
17	70	71	71	68	74	76	78	71	72	69	69	67	68	69	67	67	70	70	76	78	79	79	83	84	**72·4**	6·5
18	87	87	86	87	87	79	74	80	84	84	86	93	87	90	91	91	91	86	83	87	85	84	85	84	85·7	7·7
19	81	81	78	79	82	83	90	87	86	86	86	86	89	90	91	89	86	86	86	86	84	89	88	92	85·7	7·9
20	91	88	86	90	91	93	93	91	91	94	93	95	92	93	91	90	91	90	91	91	94	94	94	94	91·7	7·1
21	92	92	95	93	94	94	92	90	87	90	87	88	88	81	80	87	89	88	89	94	94	88	91	94	89·9	7·4
22	94	94	94	90	86	81	81	83	81	84	81	77	80	80	80	78	81	83	82	85	86	90	90	86	84·6	8·1
23	85	81	82	82	83	83	83	93	90	90	90	80	77	73	72	76	81	80	78	82	78	80	80	77	81·7	7·7
24	74	71	71	74	71	74	75	76	75	78	77	74	69	72	77	74	74	75	75	73	77	80	82	84	74·9	6·2
25	83	81	81	86	90	93	92	86	89	89	89	83	72	72	78	76	76	76	75	78	77	79	80	79	81·8	8·0
26	80	81	81	80	82	81	83	83	83	83	75	79	71	71	66	66	67	70	72	78	78	83	83	82	77·4	6·4
27	78	83	85	85	78	77	75	80	88	86	79	78	77	80	79	81	81	84	89	94	94	94	96	95	83·7	6·2
28	93	92	90	92	89	88	87	87	85	79	81	75	74	75	79	77	82	86	85	87	88	90	88	85	85·0	6·0
29	84	85	85	81	82	82	85	85	90	99	99	86	86	84	85	86	86	91	90	100	100	100	100	100	89·3	6·0
30	100	100	91	95	93	91	91	88	88	92	92	94	84	87	88	87	88	85	82	82	84	82	81	82	89·0	7·2
31	84	82	84	85	87	88	85	84	79	87	88	88	85	86	85	84	83	87	84	84	82	84	82	81	84·5	6·3
Mean ..	84·1	84·0	83·5	84·3	**84·7**	84·7	84·0	83·5	84·0	83·8	82·0	81·0	**79·2**	79·5	79·6	81·2	81·7	82·7	82·5	83·5	83·8	84·7	84·4	84·3	83·0	†7·4
Vapour Pressure* ..	mb. 7·3	mb. 7·3	mb. 7·3	mb. 7·4	mb. 7·4	mb. 7·4	mb. **7·5**	mb. 7·4	mb. 7·4	mb. 7·4	mb. **7·5**	mb. 7·4	mb. **7·5**	mb. 7·4	mb. 7·4	mb. 7·3	mb. **7·2**	mb. **7·2**	mb. **7·2**	mb. **7·2**	mb. **7·2**	mb. 7·3	mb. 7·3	mb. 7·3	mb. §7·3	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. § Mean of the row.

HUMIDITY: ANNUAL MEANS OF HOURLY VALUES.

From the monthly means for exact hours, Greenwich Mean Time.

43. Aberdeen : North Wall Screen on Tower : $h_t = 12 \cdot 5$ metres. **1922.**

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Relative Humidity ..	% 84·5	% 84·7	% 84·9	% **85·2**	% 85·1	% 84·5	% 83·5	% 82·0	% 80·4	% 78·4	% 77·0	% 76·4	% 75·7	% 75·8	% **75·6**	% 76·4	% 77·3	% 78·6	% 80·2	% 81·6	% 82·3	% 82·8	% 83·5	% 83·9	% 80·9
Vapour Pressure, in millibars	mb. 8·3	mb. **8·2**	mb. **8·2**	mb. **8·2**	mb. **8·2**	mb. 8·3	mb. 8·4	mb. 8·5	mb. 8·6	mb. 8·6	mb. 8·8	mb. 8·8	mb. **8·9**	mb. **8·9**	mb **8·9**	mb. **8·9**	mb. 8·8	mb. 8·7	mb. 8·7	mb. 8·7	mb. 8·5	mb. 8·4	mb. 8·4	mb. 8·3	mb. 8·5

RELATIVE HUMIDITY: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the Mean of the day are adjusted for non-cyclic change.

44. Aberdeen : North Wall Screen on Tower : $h_t = 12 \cdot 5$ metres. **1922.**

Month.	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Jan.	84·6	−0·2	+1·4	+1·3	**+1·5**	**+1·5**	+0·3	+0·7	+0·9	+0·1	+0·3	−0·4	−0·1	**−1·5**	−0·8	−1·6	−0·8	−1·2	−1·3	−0·2	+0·5	−0·3	+0·2	0·0	−0·2
Feb.	82·5	+0·6	+1·4	+1·4	+1·7	+1·4	+1·3	**+2·0**	+1·9	+1·7	+1·0	−0·2	−0·9	−1·8	−2·7	**−3·1**	−2·9	−2·9	−0·9	−0·5	+0·2	+0·2	+0·4	+0·6	+0·1
Mar.	80·9	+3·9	+3·8	+4·2	+5·7	+5·5	**+6·0**	+5·9	+4·8	+1·9	−1·3	−4·1	−4·4	−5·0	−5·8	−7·1	**−7·5**	−5·8	−3·6	−1·8	−0·5	+0·2	+0·4	+1·3	+3·2
April	82·5	+5·3	+5·9	+6·3	+5·8	**+6·5**	**+6·5**	+4·6	+1·5	−0·3	−2·9	−4·5	−6·4	−6·0	−5·3	−7·7	−7·1	**−8·0**	−5·5	−1·7	0·0	+1·3	+3·1	+4·1	+4·5
May	72·5	+6·6	+6·7	+7·5	**+8·3**	+8·1	+5·9	+3·1	+0·3	−1·9	−6·3	−6·8	−7·1	−7·5	**−8·0**	−6·5	−6·8	−5·2	−5·0	−3·0	+1·2	+2·2	+3·5	+4·8	+5·4
June	74·8	+7·4	**+7·6**	**+7·6**	+7·5	+6·2	+3·2	−0·3	−2·9	−4·1	**−7·3**	−7·0	−5·5	−6·5	−6·3	−6·6	−5·0	−3·9	−1·8	−0·4	+0·9	+2·4	+3·6	+4·9	+6·2
July	80·4	**+5·7**	+5·5	+5·5	+5·6	+5·1	+3·0	+0·8	−0·8	−2·4	−4·1	−5·7	**−7·0**	**−7·0**	−5·8	−5·3	−5·4	−3·9	−3·1	−0·7	+1·6	+3·5	+4·4	+5·5	+4·9
Aug.	81·2	+5·5	+5·1	+5·9	+5·7	+5·7	**+6·1**	+3·7	−1·1	−4·5	−5·0	−6·4	−5·1	−5·1	−5·4	**−6·8**	−6·2	−4·0	−2·9	−0·5	+1·6	+2·2	+2·9	+4·0	+4·7
Sept.	82·2	+4·7	+4·7	**+5·2**	+4·2	+3·9	+3·8	+3·7	+1·9	−0·9	−3·4	−5·7	**−6·5**	−6·1	−5·9	−5·1	−4·6	−3·9	−2·5	−0·2	+0·6	+1·4	+2·0	+3·7	+4·9
Oct.	83·6	+2·3	+3·1	+3·0	+3·6	+3·8	**+4·1**	**+4·1**	+3·5	+1·2	−2·3	−4·7	−6·0	**−7·0**	−6·8	**−7·0**	−4·3	−1·0	+0·4	+0·9	+1·4	+2·4	+1·6	+1·8	+2·0
Nov.	82·1	+0·3	+0·5	+0·2	+1·5	+1·8	+2·2	+2·7	**+3·4**	+2·5	+1·1	−0·2	−1·7	−4·2	**−4·5**	−3·1	−1·3	−1·4	−0·5	0·0	+0·4	+0·7	−0·2	−0·1	−0·1
Dec.	83·0	+1·1	+1·0	+0·5	+1·3	**+1·7**	**+1·7**	+1·0	+0·5	+1·0	+0·8	−0·4	−2·0	**−3·8**	−3·5	−3·3	−1·7	−1·3	−0·2	−0·4	+0·6	+0·9	+1·7	+1·5	+1·3
Year	80·9	+3·6	+3·9	+4·1	**+4·4**	+4·3	+3·7	+2·7	+1·2	−0·5	−2·5	−3·8	−4·4	−5·1	−5·1	**−5·3**	−4·5	−3·5	−2·2	−0·7	+0·7	+1·4	+2·0	+2·7	+3·1

RAINFALL: ANNUAL TOTALS OF HOURLY VALUES.

Amounts, in millimetres ; durations, in hours, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

45. Aberdeen : $H_r = 14 \cdot 0$ metres + 0·6 metres. **1922.**

G.M.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to Noon.	Noon to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	0 to 24
Amount	mm. 29·5	mm. 35·6	mm. 33·8	mm. 32·5	mm. 30·5	mm. 30·3	mm. 37·9	mm. 32·3	mm. 27·6	mm. **18·0**	mm. 33·7	mm. 36·8	mm. 30·8	mm. 36·1	mm. 38·5	mm. **40·3**	mm. 32·4	mm. 37·9	mm. 39·7	mm. 38·7	mm. 26·3	mm. 23·4	mm. 22·3	mm. 26·2	mm. 771·1
Duration	hr. 28·7	hr. 26·7	hr. 31·6	hr. 31·1	hr. 29·7	hr. 28·1	hr. 32·1	hr. 28·7	hr. 24·2	hr. **14·9**	hr. 23·2	hr. 24·3	hr. 25·4	hr. 23·7	hr. 26·9	hr. 29·3	hr. 23·7	hr. 29·2	hr. **32·2**	hr. 31·3	hr. 25·3	hr. 27·5	hr. 26·0	hr. 27·3	hr. 651·1

* The totals and durations for individual months are printed in the tables on pp. 40–45.

46. Aberdeen. NOTES ON RAINFALL. **1922.**

Notable Falls of the Year.—The only notable individual fall of rain was 30 mm. on the 6th July, and this occurred during the wet spell mentioned below.

Dry Periods—(Periods of 7 days or over with no rainfall or with trifling falls).

Feb. 7–14.—Period of 8 days with no rain.
Mar. 11–18.—Period of 8 days with 0·8 mm.
May 2–11.—Period of 10 days with 1·6 mm.
May 22–Jun. 10.—Period of 19 days with 1·0 mm. (from early morning of 22nd May to midday on 10th June).
Jul. 17–25.—Period of 9 days with 1·1 mm.
Aug. 5–11.—Period of 7 days with 0·3 mm.
Oct. 14–21.—Period of 8 days with 0·6 mm.
Nov. 11–22.—Period of 12 days broken by fall of 3 mm. on 17th and 18th.
Dec. 8–15.—Period of 8 days with 0·4 mm.

Wet Periods—(With notes of the heavier rates of fall).

Jan. 15–16.—21 mm. in 24 hours.
Jan. 29.—15 mm., of which 12 mm. fell during the 4 hours, 17h.–21h.
Feb. 15–18.—26 mm. fell intermittently.
Mar. 24–27.—28 mm. fell intermittently.
Apr. 13–15.—26 mm. fell intermittently.
Jun. 13.—14 mm. fell in 6 hours from 1h.–7h.
Jun. 30.—14 mm. fell in 6 hours from 12h.–18h.
Jul. 4–9.—Very wet spell, 85 mm. in all, 9 mm. in 3 hours, 14h.–17h. on 4th ; 7 mm. in 2 hours, 15h.–17h. on 5th ; 28 mm. in 10 hours, 4h.–14h. on 6th ; 10 mm. in 3 hours, 6h.–9h. on 9th.
Sep. 26–28.—42 mm., of which, 12 mm. in 5 hours, 19h.–24h. on 26th ; 11 mm. in 5 hours, 15h.–20h. on 28th. This wet spell was followed by a further fall of 13 mm. on the evening of 30th.
Oct. 4–5.—21 mm. fell.
Oct. 30.—16 mm. fell, of which 13 mm. in 6 hours, 14h.–20h.
Nov. 10.—18 mm. fell, of which 14 mm. in 4 hours, 13h.–17h.

Amounts, in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

47. Aberdeen : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 14·0 metres + 0·6 metres. **January, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	·9	3·2	·4	·2	...	...	...	...	...	...	...	...	·3	(·3)	...	...	...	...	...	...	...	...	...	5·3	2·5
3	...	...	(·3)	(·3)	(·4)	(·4)	(·3)	(...)	(...)	(·3)	(·3)	(·3)	(·3)	(·2)	(·3)	(·3)	(·3)	(·3)	(·3)	(·3)	(·2)	(·2)	(·3)	(·3)	(5·9)	(8·0)
4	(·4)	(·5)	(·4)	(·4)	(·4)	(·4)	(·5)	(·2)	(·2)	(·1)	(·1)	(·1)	(·2)	(·1)	(·1)	(·1)	(·1)	(·1)	(...)	(·1)	(...)	(...)	(·1)	(...)	(4·6)	(6·5)
5	(...)	(...)	(...)	(·1)	(...)	(...)	(...)	...	...	...	...	·2	·1	...	...	...	...	...	...	...	...	·3	...	·1	(0·8)	(1·9)
6	·1	·1	...	...	·2	...	·1	·1	·1	...	...	·2	...	...	...	·2	...	·4	·2	·1	...	·1	·2	·2	2·3	6·2
7	...	...	...	·1	·2	1·2	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	2·4
8	...	...	·2	·2	·2	·2	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·7
9	...	...	...	...	...	·4	·7	·3	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	2·1
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	·1	...	...	...	·1	·4	·1	·1	...	...	1·1	1·6
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·3	·3	·1	...	...	...	1·1	1·6
14	...	...	...	...	...	·1	...	...	...	·1	...	...	...	...	·4	·4	...	...	...	...	...	...	...	...	1·0	1·1
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	·4	·5	·4	·3	·3	·7	2·1	5·1	7·9
16	2·3	2·1	1·5	1·6	1·7	2·1	1·7	·3	·3	·2	·1	·1	·2	·1	·1	·1	...	...	...	...	(·4)	(·4)	(·4)	...	(15·7)	(13·7)
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	·4	1·8	2·2	1·8	·7	...	...	...	...	...	...	...	...	6·9	4·0
19	...	...	...	...	...	...	...	...	...	...	·8	·3	...	...	·1	·1	...	...	...	...	...	...	...	...	1·3	1·7
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	·3	·3	2·4	2·9	·7	...	...	...	...	...	...	...	...	6·6	3·8
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(·1)	(...)	(·2)	(·2)	(·3)	(·3)	(·2)	(·2)	(1·5)	(2·0)
25	(·2)	(·2)	(·1)	(·1)	(·1)	(·2)	(·2)	...	...	...	(·5)	(·2)	...	...	...	...	...	...	...	...	...	...	...	...	(1·8)	(2·7)
26	...	...	...	...	·2	1·0	1·6	1·9	...	...	...	·3	·2	...	...	...	...	...	...	...	...	...	...	...	5·2	4·6
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·4	0·7	1·6
28	·2	·2	·1	...	·4	·1	...	...	...	...	...	...	...	...	...	·6	·5	·5	·6	·1	·1	...	...	...	3·4	9·9
29	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·5	·1	·8	2·3	3·5	2·5	3·6	1·0	·4	...	15·2	7·4
30	·5	·1	·3	·1	...	...	...	...	...	...	...	...	...	·9	...	·3	...	...	...	...	...	...	...	...	2·2	2·9
31	·2	·1	...	...	·1	...	1·0	1·8	·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·1	2·6
Sum.	3·9	4·2	6·1	3·3	4·1	6·1	6·4	4·7	2·1	0·7	1·8	2·4	3·1	**6·7**	6·6	3·8	2·0	4·4	5·7	4·4	5·1	2·7	2·6	3·3	96·2	100·4
Total Duration.	hr. 4·0	hr. 3·6	hr. 5·0	hr. 4·0	hr. 5·9	hr. 5·0	hr. 5·5	hr. 4·1	hr. 2·5	hr. 1·3	hr. 3·0	hr. 3·4	hr. 3·5	hr. 4·1	hr. 4·4	hr. **6·4**	hr. 3·8	hr. 4·4	hr. 5·2	hr. 4·8	hr. 4·5	hr. 4·5	hr. 4·1	hr. 3·4	hr. 100·4	

48. Aberdeen : H_r = 14·0 metres + 0·6 metres. **February, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	·4	·3	·7	·6	·2	·3	·2	·1	...	·1	...	...	2·9	6·4
3	...	·2	·1	·3	·4	...	...	...	...	...	...	...	·3	·1	·4	·7	·5	·4	·9	·4	·2	...	...	...	4·9	**11·1**
4	(·1)	(·1)	(·2)	(·2)	(·2)	(·2)	(·1)	(·2)	(·2)	...	...	...	...	...	...	...	·1	...	(·1)	(·2)	(·3)	(·3)	(·2)	(·1)	(2·8)	(6·1)
5	(·2)	(·3)	(·3)	(·3)	(·1)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(1·2)	(2·0)
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	0·4	1·0
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	·1	·7	1·0	·4	·6	...	·1	...	...	...	·1	...	...	·2	...	·1	...	...	3·3	5·3
16	...	...	·1	·2	·5	·7	·3	·1	·1	·1	·6	·5	·4	1·9	·7	·2	...	...	...	...	...	...	...	...	6·4	10·4
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·8	1·5	2·3	1·6	1·7	·9	·3	·2	**10·7**	9·0
18	·4	·3	...	·4	·2	·1	·7	...	·3	·9	1·4	·4	·6	...	...	·1	...	...	...	...	...	...	...	...	5·8	9·7
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	0·2	0·2
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	·6	1·9	1·4	·5	·4	...	...	...	·4	·1	...	...	...	...	...	...	5·3	4·8
22	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·6
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	·8	·3	...	2·3	2·3
26	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·5
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	...	·5	·5	...	...	...	2·1	1·3
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	0·8	1·0	0·7	1·4	1·4	1·0	1·2	1·0	2·3	3·3	**4·0**	1·4	2·2	2·3	1·8	2·0	3·3	3·4	3·5	3·0	3·9	2·6	0·8	0·3	48·6	70·7
Total Duration.	hr. 2·1	hr. 2·6	hr. 1·7	hr. 3·3	hr. 3·3	hr. 1·9	hr. 2·1	hr. 1·9	hr. 3·9	hr. 3·3	hr. 3·1	hr. 3·0	hr. **4·8**	hr. 2·1	hr. 3·0	hr. 3·6	hr. 4·0	hr. 4·2	hr. 2·8	hr. 3·3	hr. 3·3	hr. 4·3	hr. 1·8	hr. 1·3	hr. 70·7	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts, in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

49. Aberdeen : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 14·0 metres + 0·6 metres. **March, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	·6	1·6	1·0	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·6	4·1
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	1·0	1·6	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·1	3·0
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	0·3	0·4
7	·1	·2	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·5
8	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3
9	...	...	...	...	...	...	...	...	...	...	·2	·9	·1	...	...	...	...	...	...	...	...	...	...	...	1·2	1·6
10	·7	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	0·7
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	·3	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	1·6
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	·1	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	2·5
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	·5	2·2	·2	...	...	...	...	...	...	...	...	...	...	...	2·9	2·0
20	...	...	...	...	...	(·1)	(·1)	(·2)	(·1)	...	·2	·7	·8	·2	...	...	1·5	...	(...)	(·1)	(...)	(·1)	(...)	(...)	4·1	4·1
21	(·3)	(·3)	(·3)	(·3)	(·3)	(·3)	(·3)	...	...	...	...	...	·1	...	...	·1	·2	...	...	...	·2	...	...	...	2·7	4·0
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	·2	1·0	·7	·2	...	·1	1·0	3·5	4·6
25	·2	·4	·1	...	...	...	...	...	...	...	·1	·2	·7	·3	·2	·2	·2	·2	·6	·4	·4	...	·9	·5	5·6	13·3
26	·6	·6	·6	·1	·7	·1	·1	...	...	...	...	...	1·2	·2	·2	·5	...	·3	·1	·1	...	...	...	·3	5·7	9·8
27	·3	·1	(1·2)	(1·3)	(1·3)	(1·3)	(1·2)	(·7)	(·7)	...	...	...	...	1·2	2·3	·1	...	...	...	...	...	·3	·3	·7	**13·0**	**12·5**
28	·8	·3	...	...	...	...	·6	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	1·8
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	0·1	0·3
30	...	...	...	...	...	...	...	...	...	...	...	·3	·3	...	...	·1	...	·3	...	(·3)	(·2)	(·3)	(·2)	(·2)	(2·2)	(3·8)
31	(·5)	(·5)	(·5)	(·5)	(·5)	(·5)	(·5)	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(3·6)	(3·8)
Sum.	3·5	2·4	4·1	3·8	3·9	2·6	4·0	2·9	1·5	0·1	1·1	**4·3**	3·5	2·2	2·7	1·0	1·9	1·0	1·7	1·6	1·1	0·7	1·5	3·0	56·1	75·7
Total Duration.	hr. 5·2	hr. 4·2	hr. **5·5**	hr. 3·5	hr. 4·5	hr. 4·2	hr. 5·1	hr. 3·7	hr. 2·8	hr. 0·2	hr. 2·2	hr. 3·6	hr. 4·1	hr. 2·3	hr. 2·5	hr. 2·9	hr. 1·3	hr. 1·9	hr. 2·3	hr. 3·1	hr. 2·2	hr. 1·5	hr. 2·8	hr. 4·1	hr. 75·7	

50. Aberdeen : H_r = 14·0 metres + 0·6 metres. **April, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	0·6	0·9
2	·1	...	...	...	...	...	...	...	...	...	...	...	·2	·5	·2	...	...	...	...	...	·1	...	...	...	1·1	1·3
3	...	...	(·1)	(·1)	(·1)	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	0·4	(0·7)
4	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	0·2	0·3
5	...	...	...	...	...	...	...	(·1)	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	(0·5)
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	0·1	0·2
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	·7	1·2	(1·1)	(1·0)	(1·1)	2·9	2·6	...	...	...	...	...	...	...	...	...	...	...	...	10·6	(5·1)
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	1·5	0·9
13	3·0	1·5	1·4	·7	·5	·3	·3	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8·0	7·3
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	1·4	·8	1·7	1·8	2·4	3·0	1·3	·4	...	**13·3**	**8·7**
15	1·4	...	·1	...	·1	·4	·9	·6	·6	·1	...	·7	...	...	...	...	...	·1	...	...	...	...	...	...	5·0	5·6
16	...	...	...	...	...	·8	·5	·1	·3	·1	...	...	...	·1	...	...	·1	...	·1	·1	...	...	...	...	2·2	2·9
17	...	...	...	...	...	...	·1	·1	·1	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·4	1·2
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	·1	·7	·6	·3	...	...	...	...	...	...	...	...	1·7	2·4
23	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	·4	·5	1·1	...	·3	...	...	2·5	2·9
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·3	1·2	1·3	1·3	...	...	·1	·1	4·9	2·4
25	...	1·2	1·9	·7	·8	·2	·3	...	·1	...	...	...	·1	...	...	...	...	...	...	...	·1	·6	·3	...	6·3	4·5
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	0·2	0·3
27	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·2	·2	...	...	·1	...	...	...	...	...	...	1·9	1·3
28	...	...	·3	...	·8	1·1	·4	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·2	...	...	2·9	2·3
29	...	...	...	·1	·7	2·7	·1	...	·1	·2	...	...	...	...	·2	·5	...	...	...	...	...	...	...	...	4·6	3·3
30	·1	·2	...	·1	...	...	...	...	...	...	3·0	...	1·4	·2	...	...	...	...	...	...	...	·4	...	·3	5·7	1·9
Sum.	4·6	2·9	3·8	1·8	3·0	**6·3**	3·9	2·5	2·4	1·5	5·9	3·4	2·2	2·7	1·9	3·0	1·3	3·5	3·7	5·0	3·2	2·8	0·8	2·2	74·3	56·9
Total Duration.	hr. 1·9	hr. 1·9	hr. 2·5	hr. 2·0	hr. 2·9	hr. **4·7**	hr. 4·3	hr. 3·5	hr. 3·0	hr. 1·6	hr. 1·5	hr. 2·4	hr. 0·8	hr. 2·5	hr. **3·0**	hr. **2·3**	hr. 1·7	hr. 2·5	hr. 2·5	hr. 2·5	hr. 1·7	hr. 2·5	hr. 1·1	hr. 1·6	hr. 56·9	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts, in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

51. Aberdeen : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 14·0 metres + 0·6 metres. **May, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	·1	·2	…	…	…	…	…	…	…	…	·9	·1	·1	·1	…	…	…	…	…	…	…	…	…	·1	1·6	2·0
2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
3	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
4	…	…	…	…	…	…	…	…	…	…	·6	…	…	…	…	·3	…	…	…	…	…	…	…	…	0·9	0·3
5	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·6	…	…	…	…	…	…	…	0·6	0·4
6	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
7	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
8	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
9	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
10	…	…	…	…	…	…	…	…	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·1	0·2
11	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
12	·1	·4	…	…	…	·9	·2	…	·2	…	…	·1	…	…	…	…	…	…	·1	…	…	…	…	…	2·0	1·0
13	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
14	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·4	·2	…	…	…	0·6	0·6
15	…	…	…	…	…	…	·1	·8	·7	…	·1	·6	·6	·1	·7	1·0	·4	·7	·3	·1	·1	·1	…	·6	7·0	**10·6**
16	2·2	·6	1·4	·2	…	…	…	…	…	·8	1·3	1·0	·2	…	…	…	…	…	…	…	…	·4	…	…	**8·1**	0·4
17	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
18	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
19	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
20	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
21	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·2	1·6	·8	2·6	2·4
22	·3	·7	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	1·2	1·5
23	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
24	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·2	·1	…	…	0·3	0·5
25	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
26	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
27	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
28	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
29	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
30	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
31	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
Sum.	2·7	1·9	1·6	0·2	0·0	0·9	0·3	0·8	1·0	0·8	**2·9**	1·8	0·9	0·2	0·7	1·3	1·0	0·7	0·4	0·5	0·5	0·8	1·6	1·5	25·0	26·8
Total Duration.	hr. 1·5	hr. 2·0	hr. 1·5	hr. 0·5	hr. 0·0	hr. 0·6	hr. 0·8	hr. 1·0	hr. 1·2	hr. 0·6	hr. 2·0	hr. **2·2**	hr. 1·8	hr. 0·5	hr. 1·0	hr. 1·1	hr. 1·0	hr. 1·0	hr. 1·3	hr. 0·6	hr. 0·9	hr. 1·7	hr. 0·9	hr. 1·1	hr. 26·8	

52. Aberdeen : H_r = 14·0 metres + 0·6 metres. **June, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
3	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	…	…	…	…	0·1	0·1
4	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
5	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	…	…	…	…	0·1	0·2
6	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
7	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
8	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
9	…	…	…	…	…	…	…	…	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	·1	0·3	0·6
10	·2	…	…	…	…	…	…	…	…	…	…	·2	…	…	…	…	1·6	2·2	(3·1)	(1·4)	…	…	…	…	8·7	(3·6)
11	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
12	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·8	0·8	0·4
13	·7	3·0	2·9	2·5	2·5	1·5	1·5	·1	·1	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	14·9	**6·7**
14	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
15	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
16	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
17	…	…	…	…	…	…	…	…	…	…	…	…	…	·3	·1	·1	·2	·5	…	…	…	…	…	…	1·2	0·9
18	…	…	·1	·9	·9	·1	…	·1	…	…	…	…	…	…	…	…	…	·2	…	…	…	…	…	…	2·3	2·7
19	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
20	…	…	…	…	…	…	…	…	·3	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·3	0·5
21	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	1·2	…	1·1	2·5	…	…	…	…	…	4·8	1·2
22	…	·2	…	·3	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·5	0·6
23	…	…	…	…	…	…	·1	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·2	1·0
24	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·4	…	…	…	…	…	…	0·4	0·3
25	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·4	·8	·8	·6	…	·2	·3	·1	·1	·1	3·4	4·4
26	…	…	…	…	…	…	…	…	…	…	…	…	…	·8	·7	2·8	…	·4	·2	·2	1·4	…	…	·1	6·6	2·2
27	…	…	…	·3	·3	…	…	…	…	…	…	…	…	…	…	…	…	…	·2	·6	·1	·2	·7	·3	2·7	3·4
28	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	…	…	…	…	…	…	…	…	0·1	0·3
29	…	…	…	…	…	…	…	·1	·1	·2	…	·6	…	·1	…	…	…	…	…	…	…	…	…	·1	1·2	0·8
30	…	…	…	…	…	…	…	…	…	·6	·2	·3	2·3	3·0	3·9	2·4	·1	2·3	…	…	·1	·1	·1	…	**15·4**	4·9
Sum.	0·9	3·2	3·0	4·0	3·7	1·6	1·6	0·4	0·6	0·9	0·2	1·1	2·3	4·2	5·1	7·4	2·7	**7·7**	6·0	2·6	1·9	0·4	1·0	1·5	64·0	34·8
Total Duration	hr. 0·8	hr. 1·0	hr. 1·1	hr. 2·6	hr. 2·2	hr. 1·2	hr. 1·4	hr. 1·2	hr. 0·9	hr. 1·0	hr. 0·3	hr. 0·6	hr. 0·6	hr. 1·2	hr. 1·7	hr. 2·2	hr. 2·1	hr. **3·6**	hr. 2·1	hr. 2·5	hr. 0·8	hr. 0·9	hr. 1·5	hr. 1·3	hr. 34·8	
G.M.T	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts, in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

53. Aberdeen : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 14·0 metres + 0·6 metres. **July, 1922.**

Day.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration. 0-24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	·1	·4	·4	·2	...	...	...	...	...	...	·2	1·1	·2	...	...	...	...	2·6	2·4
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·2
4	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	4·0	1·1	3·9	...	...	...	...	·3	...	·1	10·4	3·1
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	4·0	3·2	·7	·4	·5	·5	...	...	·1	9·5	6·4
6	...	·4	·6	·6	1·3	1·0	1·6	3·1	4·4	4·1	3·4	3·5	3·3	2·1	·3	...	...	...	...	...	...	...	...	...	**29·7**	**13·3**
7	...	...	...	...	...	...	...	...	...	...	...	...	·2	1·3	1·9	2·6	·2	·4	1·7	...	...	...	...	·1	8·4	3·0
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	1·2	·8	·5	·7	·8	·5	1·1	6·4	7·7
9	·4	4·3	1·9	1·8	·5	·5	5·0	1·4	2·9	1·1	·1	...	...	...	...	...	...	...	...	...	...	...	·9	·3	21·1	11·2
10	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	...	·1	0·5	1·6
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	·1	·2	·3	·1	...	...	0·8	2·9
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	1·7	1·2	4·0	2·5
16	2·1	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·4	1·6
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	·1	0·3	1·6
23	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·5
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	·1	0·4	2·1
25	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·5
26	...	...	...	...	...	...	...	...	...	...	...	1·0	1·9	1·4	·1	...	...	...	...	...	...	...	...	...	4·4	3·2
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	...	...	...	·1	1·1	0·8
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(0·1)	(0·5)
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	·8	...	·5	·1	...	·6	·7	...	...	·6	...	...	...	...	...	...	3·3	1·4
Sum.	2·7	5·1	2·7	2·5	1·8	1·8	6·6	4·7	**8·5**	5·6	4·2	4·6	5·4	6·4	7·2	7·7	8·1	3·1	4·1	2·5	1·5	2·8	3·2	3·3	106·1	66·5
Total Duration.	hr. 3·2	hr. 2·3	hr. 2·2	hr. 2·3	hr. 2·0	hr. 2·2	hr. 2·0	hr. 2·5	hr. 2·7	hr. 1·9	hr. 1·9	hr. 1·7	hr. 2·1	hr. 3·6	hr. 3·2	hr. 2·2	hr. 2·4	hr. 2·9	hr. 3·5	hr. 4·0	hr. 3·0	hr. 3·1	hr. 3·6	hr. **6·0**	hr. 66·5	

54. Aberdeen : H_r = 14·0 metres + 0·6 metres. **August, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	·2	·2	...	...	...	...	...	...	1·0	2·7	·8	1·2	·1	·2	·2	·1	1·1	·8	...	...	·5	1·9	**11·0**	5·0
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	...	1·8	1·8	...	...	...	...	...	...	4·2	1·4
3	...	...	...	...	...	...	...	...	...	...	...	...	1·0	·1	1·0	1·3	·2	...	...	...	...	...	...	...	3·6	1·6
4	...	...	...	...	...	...	...	...	...	...	...	3·2	·4	...	...	...	...	...	...	...	...	...	...	...	3·6	0·9
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	0·2	0·1
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	(0·1)	(0·1)
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	·2	·4	·7	1·0	·7	1·3	·2	·2	...	...	...	...	...	4·7	4·5
13	...	...	...	...	...	...	...	...	...	...	...	...	·2	1·2	...	...	...	...	...	...	...	...	...	...	1·4	0·5
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	0·3	0·2
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	·2	1·3	3·0	1·8	1·2	·8	·1	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	8·7	5·4
17	...	...	...	...	·1	·2	·2	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	...	...	...	0·8	0·9
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	·4	1·1	1·7	·7	·8	·8	·6	·5	...	...	...	...	...	...	...	...	·2	·1	·1	·8	1·8	·1	9·7	**9·3**
23	...	·3	·1	·8	...	...	·2	·1	...	...	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	2·2	2·2
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·5	...	...	·2	·1	1·1	1·3
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	...	...	...	...	0·4	0·5
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	...	...	...	...	...	...	...	...	...	...	0·4	0·5
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·1	·3	·1	...	...	...	...	·2	1·3	1·9
31	3·2	1·8	1·0	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·2	2·6
Sum.	3·2	2·1	1·9	3·6	4·8	2·7	2·4	1·7	0·7	0·5	1·8	**6·1**	3·0	3·4	3·0	2·8	3·8	2·5	2·1	1·6	0·1	1·1	2·5	2·5	59·9	38·9
Total Duration.	hr. 1·0	hr. 0·8	hr. 1·8	hr. **3·3**	hr. 2·0	hr. 2·3	hr. 2·3	hr. 2·0	hr. 1·0	hr. 1·0	hr. 1·1	hr. 1·3	hr. 2·0	hr. 1·9	hr. 2·2	hr. 2·1	hr. 2·6	hr. 1·4	hr. 1·8	hr. 1·2	hr. 0·2	hr. 1·0	hr. 1·5	hr. 1·1	hr. 38·9	

G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	—

Amounts, in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

55. Aberdeen : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 14·0 metres + 0·6 metres. **September, 1922.**

Day.	0–1	1–2	2 3	3–4	4 5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0·24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	·3	·4	·2	·2	...	...	...	...	·1	·3	...	...	...	...	...	1·5	2·8
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·5
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	1·6	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	1·4
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(·1)	(·2)	(·1)	(·2)	(0·6)	(2·0)
13	(·1)	(·2)	(·1)	(·2)	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	(0·7)	(2·2)
14	...	...	...	...	...	·3	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·7
15	·4	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·1
16	...	...	...	...	...	...	1·0	1·1	·3	...	...	...	...	·2	·2	...	...	...	...	...	...	...	...	...	2·8	1·9
17	..	...	...	...	...	...	...	...	...	...	...	...	1·2	·6	...	·3	·1	...	...	...	...	...	...	...	2·2	1·3
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	·3	1·0	2·7	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·7	2·8
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	0·2	0·2
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·1	...	...	·1	...	...	...	·1	...	0·6	0·7
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·1	·1	3·4	1·3	2·2	2·2	2·9	12·7	5·7
27	·8	·7	1·0	1·8	1·2	·3	1·6	2·6	...	·1	2·3	1·4	·2	...	...	·2	...	...	...	·1	...	...	·1	·8	**15·2**	8·7
28	·4	...	...	...	...	...	...	...	...	...	...	...	...	·1	·9	2·0	2·1	2·5	3·0	1·5	·7	·9	·2	...	14·3	**9·1**
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	0·2	0·8
30	·1	...	·3	·3	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	3·9	1·1	2·8	·5	1·1	11·0	7·1
Sum.	1·8	1·1	3·2	2·8	1·8	1·6	5·6	4·4	0·3	0·4	3·0	1·7	1·6	1·0	1·4	2·6	2·7	2·9	4·1	**8·9**	3·2	6·1	3·2	5·2	70·6	49·0
Total Duration.	hr. 2·8	hr. 1·4	hr. 2·7	hr. 2·7	hr. 1·9	hr. 1·9	hr. 2·1	hr. 1·8	hr. 0·4	hr. 0·7	hr. 2·3	hr. 1·1	hr. 1·0	hr. 1·0	hr. 1·4	hr. 1·8	hr. 1·5	hr. 1·6	hr. 2·6	hr. 3·0	hr. 3·3	hr. 3·3	hr. 2·9	hr. **3·8**	hr. 49·0	

56. Aberdeen : H_r = 14·0 metres + 0·6 metres. **October, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	·9	·6	·5	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	2·2	2·1
2	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	0·2	0·5
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	1·7	1·5	4·0	3·0
4	1·0	1·4	1·4	2·3	2·1	1·3	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9·9	6·6
5	...	...	...	...	...	...	·9	1·7	1·0	·5	2·1	4·0	1·0	...	...	...	...	...	...	...	...	...	...	...	11·2	4·9
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·4
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	0·3	0·6
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	0·3	0·7
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	·1	...	·3	·9	·1	1·9	2·9
13	·7	·9	·7	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·6	3·0
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	·2	·1	...	...	...	...	·1	...	0·6	1·0
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	·1	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	1·3
23	...	...	...	...	...	...	·2	·7	...	...	·2	...	...	...	...	...	·1	...	·5	·2	...	...	...	...	1·9	2·0
24	1·1	...	·1	1·1	...	·1	·1	·2	...	·2	...	...	·8	...	...	...	...	...	...	...	...	...	...	...	3·7	2·3
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	·1	...	...	...	·2	·1	·1	...	...	...	·1	...	...	·2	...	·3	...	·1	...	...	·4	·2	·2	...	2·0	2·5
28	·1	·1	·2	·1	...	...	...	...	...	...	...	...	...	·7	...	...	...	·2	...	...	...	...	...	...	1·4	1·1
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	·3	...	...	...	...	...	·1	·2	·1	·3	·3	...	·5	·7	2·0	1·8	1·1	2·8	3·7	2·0	·4	...	...	...	**16·3**	**6·9**
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	4·2	3·3	2·9	3·9	2·4	1·7	2·0	3·2	1·1	1·0	2·7	4·0	2·3	1·6	2·2	2·3	1·4	3·2	**4·5**	2·3	0·9	1·3	3·0	1·8	59·2	41·8
Total Duration.	hr. **3·8**	hr. 3·5	hr. 2·4	hr. 2·0	hr. 1·8	hr. 1·5	hr. 2·0	hr. 2·5	hr. 1·0	hr. 1·1	hr. 1·2	hr. 1·0	hr. 1·0	hr. 0·8	hr. 0·7	hr. 1·1	hr. 1·0	hr. 1·3	hr. 2·3	hr. 1·7	hr. 1·1	hr. 1·7	hr. 3·1	hr. 1·6	hr. 41·8	
G.M.T.	0 1	1 2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts, in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

57. Aberdeen : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = **14·0 metres + 0·6 metres.** **November, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	·3	·5	1·8	·8	·4	...	...	...	·1	...	...	...	·4	...	...	...	...	...	4·3	4·6
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	·6	1·2	·6	·1	...	·1	...	...	...	...	...	...	2·6	2·2
4	(·2)	(·2)	(·2)	(·1)	...	...	...	...	...	...	...	·5	·4	·3	·8	·4	...	...	·2	·2	...	...	...	...	(3·5)	(4·6)
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	·5	·2	·3	·4	1·8	5·1
6	·1	...	·1	·3	·2	...	·2	·2	·3	...	·5	1·2	·6	·2	·4	·3	·3	·3	...	...	·6	·3	·1	·4	6·6	8·0
7	·1	...	·1	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·4
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	0·1	0·2
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	·1	·1	·1	...	·1	...	·4	·5	1·2	2·5	3·2	4·3	3·5	1·4	·1	·2	·2	...	...	·1	**18·0**	**9·0**
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	0·2	0·6
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	·3	1·0	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	1·8
18	...	...	...	·2	·1	·2	·4	·2	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	2·1
19	...	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·7
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	1·3	·1	...	...	...	...	...	...	...	...	...	·1	·2	...	·1	...	...	1·8	1·6
24	...	...	...	...	...	...	·3	...	·9	·5	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	2·0	1·1
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	0·2	0·6
26	·2	·3	1·6	1·9	1·1	·3	...	...	...	...	...	...	...	...	...	...	(·1)	(...)	(·1)	(·1)	...	...	...	...	5·7	(6·1)
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	...	...	...	...	...	...	...	...	0·4	0·7
28	...	·3	·3	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	1·6
29	...	...	...	...	...	...	...	...	...	·2	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·7
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·5	...	...	...	...	...	...	...	...	0·6	0·4
Sum.	0·6	1·0	2·5	2·8	1·5	0·6	1·7	3·2	3·6	1·5	2·0	2·2	2·8	4·4	5·4	**5·8**	3·9	1·9	1·1	0·9	1·3	0·6	0·5	1·0	52·8	52·1
Total Duration.	hr. 1·7	hr. 1·6	hr. **3·5**	hr. 2·9	hr. 1·8	hr. 1·1	hr. 2·9	hr. 3·1	hr. 2·8	hr. 1·0	hr. 2·3	hr. 2·0	hr. 3·0	hr. 2·9	hr. 3·3	hr. 2·5	hr. 1·9	hr. 1·5	hr. 2·5	hr. 2·0	hr. 1·6	hr. 1·4	hr. 1·6	hr. 1·2	hr. 52·1	

58. Aberdeen : H_r = **14·0 metres + 0·6 metres.** **December, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	·4	·1	·5	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	2·4
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·2	·4	·1	·1	...	...	·1	1·0	1·9
6	·1	...	...	...	...	...	...	...	·1	...	...	·3	·2	...	...	...	...	...	...	...	...	...	...	...	0·7	0·7
7	...	...	...	...	...	·1	...	...	·6	...	·1	...	·1	...	...	·5	·2	·1	·1	...	...	...	...	...	1·8	2·1
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	0·1	0·1
14	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·5
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	·2	·4	...	...	...	·4	·2	·1	·4	·1	...	...	1·8	2·1
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	·3	6·9	·9	1·8	·3	...	...	...	...	·1	·3	1·7	1·0	...	...	...	...	...	·3	2·1	·1	...	...	...	**15·8**	5·8
19	...	...	...	...	...	...	1·2	1·1	...	...	...	...	...	·5	·3	...	...	...	...	...	...	...	...	...	3·1	1·5
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·6	·6	·5	·5	4·2	3·1
21	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	1·5	2·0	1·2	·1	...	...	5·7	3·7
22	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	...	·1	2·1	·2	·1	·2	·6	1·1	...	4·7	3·8
23	·1	...	...	...	...	...	...	·2	2·3	·3	1·3	...	...	...	...	...	...	...	...	...	...	...	...	...	4·2	1·9
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	·3	1·0	·2	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	1·8
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	·1	1·0	2·3	·8	1·5	·5	1·3	2·0	1·8	...	...	...	...	...	...	·1	...	...	...	...	...	11·4	**5·9**
31	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
Sum.	0·6	7·4	1·3	2·4	2·1	3·4	2·2	2·8	3·5	1·7	4·1	3·8	1·5	1·0	0·5	0·6	0·3	3·6	2·8	5·4	3·6	1·5	1·6	0·6	58·3	37·5
Total Duration.	hr. 0·7	hr. 1·8	hr. 1·7	hr. 2·0	hr. 1·4	hr. 1·5	hr. 1·0	hr. 1·4	hr. 2·0	hr. 1·2	hr. 2·3	hr. 2·0	hr. 0·7	hr. 0·8	hr. 0·5	hr. 1·1	hr. 0·4	hr. 2·9	hr. **3·3**	hr. 2·6	hr. 2·7	hr. 1·6	hr. 1·1	hr. 0·8	hr. 37·5	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

For periods of sixty minutes, between the exact hours of Local Apparent Time.

59. Aberdeen : h_S (height of recorder above ground) = 20·7 metres. **January, 1922.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	—	...	...	·3	·1	·3	·7	...	...	—	—	—	—	—	1·4	21
2	—	—	—	—	—	...	·1	·9	·9	·4	·1	...	...	—	—	—	—	—	2·4	36
3	—	—	—	—	—	...	·6	...	...	...	·1	...	...	—	—	—	—	—	0·7	10
4	—	—	—	—	—	...	...	·2	·6	·6	·2	·1	...	—	—	—	—	—	1·7	25
5	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
6	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
7	—	—	—	—	—	...	...	...	...	·2	·3	...	...	—	—	—	—	—	0·5	7
8	—	—	—	—	—	...	·7	1·0	1·0	·7	1·0	·7	...	—	—	—	—	—	5·1	74
9	—	—	—	—	—	...	...	...	·1	·8	·8	·2	...	—	—	—	—	—	1·9	27
10	—	—	—	—	—	...	1·0	1·0	1·0	1·0	1·0	·9	...	—	—	—	—	—	**5·9**	**84**
11	—	—	—	—	—	...	·2	·2	·3	·4	·3	·3	...	—	—	—	—	—	1·7	24
12	—	—	—	—	—	...	·1	·2	·2	·7	·1	...	...	—	—	—	—	—	1·3	18
13	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
14	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
15	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
16	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
17	—	—	—	—	—	...	·1	·7	·8	1·0	·8	·1	...	—	—	—	—	—	3·5	47
18	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
19	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
20	—	—	—	—	—	...	...	...	...	...	·8	·9	...	—	—	—	—	—	1·7	22
21	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
22	—	—	—	—	—	...	·2	·9	1·0	1·0	1·0	·4	...	—	—	—	—	—	4·5	58
23	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
24	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
25	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
26	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
27	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
28	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
29	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
30	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
31	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
Sum.	—	—	—	—	...	...	3·0	5·4	6·0	7·1	**7·2**	3·6	...	...	—	—	—	—	32·3	—
Mean.	—	—	—	—	...	...	·10	·17	·19	·23	**·23**	·12	...	...	—	—	—	—	1·04	14

60. Aberdeen : h_S = 20·7 metres. **February, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	...	...	·2	...	...	·1	·6	1·0	·7	...	—	—	—	—	2·6	31
2	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
3	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
4	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
5	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
6	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
7	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
8	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
9	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
10	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
11	—	—	—	—	...	...	...	·6	1·0	·9	·3	...	...	...	—	—	—	—	2·8	31
12	—	—	—	—	...	...	...	·8	·7	·6	·2	·4	...	...	—	—	—	—	2·7	29
13	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
14	—	—	—	—	...	·9	1·0	1·0	1·0	·3	...	·4	...	...	—	—	—	—	4·6	49
15	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
16	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
17	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
18	—	—	—	—	...	...	...	...	·1	·1	·5	·1	·2	...	—	—	—	—	1·0	10
19	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
20	—	—	—	—	·1	1·0	1·0	1·0	·9	1·0	1·0	1·0	·5	·2	—	—	—	—	7·7	79
21	—	—	—	—	...	...	...	...	...	...	...	·1	·1	...	—	—	—	—	0·2	2
22	—	—	—	—	...	...	·6	·1	·2	·9	1·0	1·0	1·0	·5	—	—	—	—	5·3	53
23	—	—	—	—	·2	1·0	1·0	1·0	1·0	·7	1·0	1·0	1·0	·1	—	—	—	—	**8·0**	**79**
24	—	—	—	...	...	...	...	...	...	·1	·2	·2	·1	...	...	—	—	—	0·6	6
25	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
26	—	—	—	...	...	...	...	...	...	·8	·9	1·0	·8	·3	...	—	—	—	3·8	37
27	—	—	—	...	·6	1·0	1·0	1·0	·9	·6	·2	...	...	...	...	—	—	—	5·3	51
28	—	—	—	...	...	·1	·1	·5	·8	...	·5	·8	·9	·3	...	—	—	—	4·0	38
Sum.	—	—	—	...	0·9	4·0	4·9	6·0	6·6	6·1	6·4	**7·0**	5·3	1·4	...	—	—	—	48·6	
Mean.	—	—	—	...	·03	·15	·17	·21	·24	·22	·23	**·25**	·19	·05	...	—	—	—	1·74	19

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

61. Aberdeen : h_S (height of recorder above ground) = 20·7 metres. **March, 1922.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Percent. of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	...	·2	1·0	1·0	1·0	·7	·9	1·0	·9	·9	·4	...	—	—	—	8·0	75
2	—	—	—	...	·5	1·0	1·0	1·0	1·0	1·0	·8	·6	·9	....	...	—	—	—	7·8	74
3	—	—	—	...	...	...	...	...	...	·2	...	...	·2	...	...	—	—	—	0·4	4
4	—	—	—	...	...	·1	·9	·9	1·0	1·0	1·0	·7	1·0	1·0	·1	—	—	—	7·7	71
5	—	—	—	...	...	...	...	...	...	...	...	...	...	·2	...	—	—	—	0·2	2
6	—	—	—	...	·5	1·0	1·0	·7	·9	1·0	1·0	1·0	1·0	·9	...	—	—	—	9·0	82
7	—	—	—	...	·3	·9	1·0	1·0	·8	·9	·9	·1	...	...	...	—	—	—	5·9	53
8	—	—	—	...	·9	1·0	·7	·1	·1	...	...	·4	·9	·5	...	—	—	—	4·6	41
9	—	—	—	...	·6	·9	·7	...	...	...	...	·1	·1	...	...	—	—	—	2·4	21
10	—	—	—	...	...	...	...	·6	·5	...	·3	1·0	·3	·3	...	—	—	—	3·0	27
11	—	—	—	...	...	...	...	...	·2	·1	·4	...	...	...	...	—	—	—	0·7	6
12	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
13	—	—	—	...	·1	·7	1·0	1·0	1·0	1·0	1·0	1·0	·9	·2	...	—	—	—	7·9	69
14	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
15	—	—	—	...	...	·3	...	...	...	...	...	...	...	...	...	—	—	—	0·3	3
16	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
17	—	—	—	...	...	...	...	...	·1	·2	·2	...	...	...	...	—	—	—	0·5	4
18	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
19	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
20	—	—	...	...	·5	1·0	·7	·7	·4	·5	·5	1·0	·6	·4	·2	...	—	—	6·5	54
21	—	—	...	...	...	·7	·4	·4	·9	·1	·4	·1	·1	...	...	...	—	—	3·1	25
22	—	—	...	...	·1	·2	·9	·9	·2	·1	·5	·3	·2	·3	...	...	—	—	3·7	30
23	—	—	...	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	—	—	**10·3**	**83**
24	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
25	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
26	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
27	—	—	...	...	...	...	·4	·2	·3	...	...	...	·3	...	...	...	—	—	1·2	9
28	—	—	...	...	...	...	·1	·8	1·0	·6	·3	·1	...	·4	...	·1	—	—	3·4	27
29	—	—	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	—	—	0·1	1
30	—	—	...	...	...	...	·2	...	...	...	...	...	...	·4	...	...	—	—	0·6	5
31	—	—	...	...	...	...	·5	·8	·9	·5	·1	·9	·5	1·0	...	...	—	—	5·2	40
Sum.	—	—	...	0·1	4·7	9·8	**11·5**	11·2	11·0	9·1	9·4	9·2	8·9	7·0	0·5	0·1	—	—	92·5	—
Mean.	—	—	...	...	·15	·32	**·37**	·36	·35	·29	·30	·30	·29	·23	·02	....	—	—	2·98	·25

62. Aberdeen : h_S = 20·7 metres. **April, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	...	...	·1	...	...	·3	·7	...	·1	·7	·5	·6	·3	...	—	—	3·3	25
2	—	—	...	·7	1·0	·6	...	·3	·5	·4	...	...	·4	·2	...	...	—	—	4·1	31
3	—	—	...	·4	1·0	1·0	1·0	·7	·7	·3	·7	·7	·8	·2	·3	...	—	—	7·8	59
4	—	—	...	·5	1·0	1·0	1·0	1·0	·6	·1	·1	·8	1·0	·9	·2	...	—	—	8·2	62
5	—	—	...	·8	·2	·7	1·0	·8	·3	·5	·3	·8	·2	·8	·3	...	—	—	6·7	50
6	—	—	...	...	·6	1·0	1·0	1·0	·9	1·0	·7	·7	·8	1·0	·2	...	—	—	8·9	66
7	—	—	...	·1	·5	·8	1·0	1·0	·4	·2	·3	·7	...	...	·2	...	—	—	5·2	38
8	—	—	...	·1	·4	...	...	...	...	...	...	...	·6	1·0	·3	...	—	—	2·4	17
9	—	—	...	...	...	...	·1	·7	1·0	1·0	1·0	1·0	1·0	1·0	·7	·3	—	—	7·8	57
10	—	—	...	...	·8	·8	·5	·4	·2	·6	·7	·1	...	...	...	...	—	—	4·1	30
11	—	—	...	...	...	...	...	...	...	·6	·9	·5	...	...	...	...	—	—	2·0	14
12	—	—	...	...	...	...	...	·4	1·0	·8	·6	·3	·7	·5	...	...	—	—	4·3	31
13	—	—	...	...	...	...	...	...	...	...	·4	·8	·9	·5	·1	...	—	—	2·7	19
14	—	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	—	0·3	2
15	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
16	—	...	...	·1	...	·1	...	·1	...	...	·1	·1	...	·2	...	...	....	—	0·7	5
17	—	...	...	·7	1·0	·6	·9	·5	·7	·2	·2	...	...	·4	...	...	...	—	5·2	36
18	—	...	...	...	...	...	...	...	...	·2	·7	·9	1·0	1·0	·6	·4	...	—	4·8	33
19	—	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	—	**13·3**	**92**
20	—	...	...	...	...	·2	·7	·6	·6	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	—	8·5	58
21	—	...	·1	·1	...	·4	1·0	·7	·9	·8	·7	·8	1·0	1·0	·5	·4	...	—	8·4	57
22	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
23	—	...	...	...	...	...	...	·1	...	...	...	·3	·5	...	...	...	...	—	0·9	6
24	—	...	·3	1·0	·9	·3	·1	·1	·1	·1	·3	·8	...	...	...	...	...	—	4·0	27
25	—	...	...	...	·1	·1	·7	·1	·6	·5	·4	·4	...	·1	·3	·2	...	—	3·5	23
26	—	...	·2	·9	·2	...	·1	·2	1·0	·3	·2	...	...	...	·1	...	...	—	3·2	21
27	—	...	...	·7	1·0	·8	·5	·2	·6	·4	·1	·6	·1	·1	·6	·6	...	—	6·3	41
28	—	...	·3	·4	·7	·9	1·0	1·0	·9	1·0	1·0	1·0	1·0	1·0	·7	...	...	—	10·9	72
29	—	...	...	·1	·1	...	·1	·7	·2	·6	·8	·4	·2	·1	...	...	...	—	3·3	22
30	—	...	...	...	...	·3	·2	·2	·5	·3	...	...	·1	·4	·4	...	...	—	2·4	16
Sum.	—	...	1·7	7·8	10·7	10·6	11·9	12·1	13·4	11·9	12·3	**14·4**	12·8	13·0	7·8	2·8	...	—	143·2	—
Mean.	—	...	·06	·26	·36	·35	·40	·40	·45	·40	·41	**·48**	·42	·43	·26	·09	...	—	4·77	33

Hour. L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

63. Aberdeen : h_S (height of recorder above ground) = 20·7 metres. **May, 1922.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	...	·1	...	...	...	...	...	...	...	·3	·7	1·0	·9	...	·1	...	—	3·1	20
2	—	...	...	·1	...	·1	1·0	1·0	·9	·9	·2	·5	·7	·1	·4	·6	...	—	6·5	42
3	—	·1	1·0	·8	1·0	1·0	1·0	1·0	·4	·1	...	...	...	...	...	·8	...	—	7·2	46
4	—	...	·6	·4	1·0	·8	·8	·4	1·0	·5	...	·4	·2	...	...	·1	...	—	6·2	39
5	—	...	·2	1·0	1·0	·5	·9	·9	·8	·9	·1	·5	·7	·5	·4	·4	...	—	8·8	56
6	—	...	·2	·5	...	...	...	...	...	...	·3	...	·2	...	...	·8	...	—	2·0	13
7	—	...	...	...	...	...	·2	·2	...	...	...	...	·1	·6	·1	...	...	—	1·2	7
8	—	...	...	·1	·1	...	...	·3	...	·7	1·0	·8	·8	·9	·5	·8	...	—	6·0	37
9	—	...	·7	·7	·2	·1	·3	·1	·1	...	·4	·4	...	...	...	...	...	—	3·0	19
10	...	...	·5	·6	·1	·1	...	·1	·6	·1	...	·2	·3	·3	·4	·3	...	...	3·6	22
11	...	...	·1	·7	·8	·5	1·0	1·0	1·0	1·0	·8	·8	·8	·9	·4	·1	·2	...	10·1	62
12	...	...	·1	·6	·5	·9	·6	·2	·1	·1	·2	...	·2	...	...	...	...	...	3·5	21
13	...	·1	·9	...	...	...	·2	·3	·1	...	·2	·3	·2	·2	·7	·1	...	...	3·3	20
14	...	·6	1·0	1·0	·5	·6	1·0	1·0	·8	·9	·6	·2	...	...	·1	...	...	...	8·3	51
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·9	·3	·1	...	...	1·5	9
17	...	·3	·3	·3	1·0	·9	1·0	·8	...	...	...	...	...	...	...	...	...	...	4·6	28
18	...	·7	·7	·1	·1	·2	·6	·4	·7	·6	·4	·5	·5	·2	·1	...	...	...	5·8	35
19	...	·5	...	·2	·8	·8	·2	·1	·2	·7	·8	·6	1·0	1·0	1·0	·2	...	...	7·3	44
20	...	...	...	·3	·9	...	1·0	1·0	·9	·8	·8	·1	·1	...	...	...	...	...	5·9	35
21	...	...	...	...	...	...	·2	·3	·3	1·0	·9	·8	·7	·7	·7	·5	...	...	6·1	36
22	...	...	...	·1	·7	·7	·6	1·0	1·0	1·0	1·0	·7	·6	·1	·9	1·0	1·0	...	10·4	61
23	...	·9	1·0	1·0	1·0	·7	·6	·2	...	...	...	...	...	...	...	...	...	...	5·4	32
24	...	...	·5	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	0·9	5
25	...	...	...	...	...	·5	1·0	1·0	·9	·4	·5	·5	·8	·7	...	·1	...	...	6·4	37
26	...	...	...	...	...	·2	1·0	1·0	1·0	1·0	·8	·8	1·0	1·0	1·0	1·0	·8	...	10·6	62
27	...	·3	·4	·2	·3	·1	·1	1·0	1·0	1·0	1·0	·8	·8	1·0	1·0	1·0	·3	...	10·3	60
28	...	...	...	...	...	·2	·5	...	·4	·3	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	8·2	48
29	...	·8	1·0	1·0	1·0	1·0	1·0	·8	·8	·9	·9	·9	·9	·6	·6	·7	...	...	12·9	75
30	...	·2	·3	·8	1·0	·7	·2	·1	...	·5	·4	1·0	·5	·1	·8	·1	...	·1	6·8	39
31	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	**16·3**	**94**
Sum.	1·4	5·5	10·6	11·3	12·4	11·6	**16·4**	15·2	14·0	14·4	13·6	13·6	14·2	12·7	11·4	10·8	4·0	0·1	192·2	—
Mean.	·01	·18	·34	·36	·40	·37	**·53**	·49	·45	·46	·44	·44	·46	·41	·37	·35	·13	...	6·20	38

64. Aberdeen : h_S = 20·7 metres. **June, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	·8	1·0	1·0	1·0	1·0	·7	·5	·4	·8	·5	·6	·4	·6	·2	·2	·4	·3	10·4	59
4	...	...	...	...	...	·5	·1	...	...	...	·1	·1	·1	·5	1·0	·5	...	...	2·9	17
5	...	·1	1·0	·5	·1	·4	1·0	·8	...	·5	·2	...	...	...	...	...	...	...	4·6	26
6	...	·6	·8	·1	·7	·8	·3	·1	·6	1·0	1·0	1·0	·4	·5	·5	...	...	...	8·4	48
7	...	·1	·2	·5	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	13·3	76
8	...	...	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	·2	...	·2	·4	...	9·5	54
9	...	...	...	...	...	...	·4	...	...	·2	·3	·7	·9	·8	·4	...	...	...	3·7	21
10	...	·1	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	0·3	2
11	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·6	1·0	·7	·6	1·0	1·0	·4	...	...	**13·4**	**76**
12	...	·7	1·0	1·0	·9	1·0	1·0	1·0	·7	·5	·5	1·0	1·0	1·0	·8	·2	...	...	12·3	69
13	...	...	...	...	...	...	...	...	...	·3	·9	·8	1·0	1·0	1·0	1·0	1·0	·3	7·3	41
14	...	·3	·3	...	...	·1	·2	...	...	...	...	...	·2	...	...	...	...	...	1·1	6
15	...	...	...	...	...	...	·1	·8	1·0	1·0	·8	·5	1·0	1·0	1·0	·8	...	...	8·0	45
16	...	...	·1	...	·1	·3	...	...	...	·1	...	...	·1	·6	1·0	1·0	·9	·1	4·3	24
17	·1	1·0	1·0	·2	·5	·1	·5	·4	·8	·2	...	...	·4	...	...	·5	·2	...	5·9	33
18	...	...	·3	...	·1	...	...	·1	...	·3	·4	...	...	...	...	...	...	...	1·2	7
19	...	...	...	·1	·2	·6	...	·10	·8	·2	·8	1·0	1·0	1·0	1·0	1·0	·7	...	9·4	53
20	...	...	...	...	...	...	·4	·3	...	·1	·9	·9	1·0	·9	1·0	1·0	1·0	·4	7·9	44
21	·4	1·0	1·0	1·0	1·0	1·0	·7	...	·1	·1	·1	·4	...	·2	...	...	...	...	7·0	19
22	...	...	...	·3	·8	·1	·6	...	...	...	...	...	...	...	...	...	...	...	1·8	10
23	...	...	...	...	...	...	...	...	...	·6	·4	·1	·2	...	...	...	...	...	1·3	7
24	...	·1	·2	·6	·3	·6	·9	·3	·2	...	...	·4	·8	...	·2	1·0	·4	...	6·0	33
25	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	2
26	...	·5	·8	·8	...	·2	...	...	·1	...	·3	...	·2	...	...	...	...	...	2·9	16
27	...	...	·7	·9	·7	·8	·2	·9	·5	·2	·3	·6	·5	...	...	...	...	...	6·3	35
28	...	...	1·0	1·0	1·0	1·0	·6	·5	·5	·9	·5	·4	...	·2	·1	·2	·7	·5	9·1	51
29	·6	1·0	·4	...	...	...	·1	·2	·8	·8	·9	·8	·9	1·0	1·0	·8	·4	...	9·7	55
30	...	...	·3	...	·5	...	·4	·2	·2	...	...	...	·2	...	...	·2	...	...	2·0	11
Sum.	1·3	7·3	11·3	9·4	10·9	11·4	11·2	10·1	9·6	10·4	11·9	12·6	**12·5**	11·5	11·2	10·0	6·7	1·6	170·3	—
Mean.	·01	·24	·38	·31	·36	·38	·37	·34	·32	·35	·40	·40	**·42**	·38	·37	·33	·22	·05	5·68	32

Hour. L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent of Possible.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

65. Aberdeen : h_s (height of recorder above ground) = 20·7 metres. **July, 1922.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	...	...	...	·3	...	...	...	...	...	...	...	·2	·1	...	...	...	...	...	0·6	3
2	...	·7	·9	·5	·8	1·0	·9	·7	·6	1·0	·5	·4	·4	...	·1	·2	...	...	8·7	49
3	·1	·1	...	·1	...	·2	·1	·1	·6	·4	·2	...	·1	·3	·2	·4	·2	·1	3·2	18
4	...	...	·1	...	...	...	...	·1	...	...	...	...	·1	...	·3	...	...	...	0·6	3
5	...	...	·1	...	·6	·2	...	...	·1	·7	...	...	...	...	...	...	...	...	1·7	10
6	...	...	...	...	...	...	...	...	...	...	...	·3	·4	·2	·8	·1	·1	...	1·9	11
7	·4	1·0	1·0	1·0	1·0	·5	·9	·9	·8	·5	·2	...	·2	·1	·7	·1	·1	...	9·4	53
8	...	·5	1·0	1·0	1·0	1·0	1·0	·4	·3	·2	...	...	...	...	...	...	...	...	6·4	37
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	·4	·7	·8	·6	...	·7	·5	·2	...	·1	...	...	...	4·0	23
11	...	...	...	...	...	·8	...	·1	·1	...	·4	·9	·4	·3	·2	1·0	1·0	·1	5·3	31
12	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	1
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	·1	·1	...	·8	1·0	·9	1·0	·9	1·0	·9	·5	·5	·5	·1	...	8·3	48
15	...	...	...	...	...	·4	·7	·9	·9	·6	...	...	·1	...	...	...	...	...	3·6	21
16	...	...	...	...	...	·1	·8	1·0	·5	·6	·9	·2	·5	·7	...	·1	...	...	5·4	31
17	...	...	·4	·4	·1	·2	·8	1·0	·4	·1	...	...	...	...	...	·1	·8	...	4·3	25
18	...	...	...	...	...	...	...	...	·1	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	8·0	47
19	...	·1	·1	...	·1	...	·1	·5	·1	·3	·4	·2	...	·3	...	...	...	...	2·2	13
20	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	0·1	1
21	...	...	...	...	...	...	...	...	·4	·7	·9	·4	·1	·4	·8	·9	·4	...	5·0	30
22	...	...	·1	·1	·5	·3	·1	...	...	·1	·1	·2	...	...	...	...	...	...	1·5	9
23	...	...	·2	...	...	...	·6	·8	·7	1·0	1·0	1·0	·6	·2	...	...	·2	...	6·3	37
24	...	...	...	...	...	...	·1	·1	·3	...	·1	·4	·8	·4	·9	·2	·1	...	3·4	20
25	...	...	...	...	·1	...	...	·1	...	...	...	...	·1	·8	1·0	...	...	...	2·1	13
26	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	·1	...	·1	...	0·4	2
27	...	·6	·8	1·0	·8	·5	·2	·3	·3	·2	·1	·2	·1	·1	...	·1	...	...	5·3	32
28	·1	·7	1·0	1·0	·7	·9	·3	...	·2	·2	·4	·1	·6	·3	...	...	...	...	6·5	39
29	...	...	...	...	...	...	...	...	...	...	·7	1·0	·8	·8	·9	·8	...	...	5·0	31
30	...	·5	1·0	·9	1·0	1·0	·9	·9	1·0	·6	·8	·8	·6	·1	·4	...	...	...	**10·5**	**64**
31	...	·4	·7	·8	...	...	·1	...	·2	·7	·2	·5	·3	·7	...	...	·2	...	4·8	29
Sum.	0·7	4·7	7·4	7·3	6·9	7·5	9·2	9·6	9·2	**9·8**	9·5	9·3	8·4	7·2	8·0	5·5	4·3	0·2	124·7	—
Mean.	·02	·15	·24	·24	·22	·24	·30	·31	·30	**·32**	·31	·30	·27	·23	·26	·18	·14	·01	4·02	23

66. Aberdeen : h_s = 20·7 metres. **August, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	...	...	...	·2	·4	·1	·3	·4	...	...	·1	·4	·7	·1	·3	...	...	...	3·0	19
2	...	...	...	...	·4	·4	·6	...	·5	·7	·5	·3	·1	...	·4	·4	...	...	4·3	27
3	—	...	...	...	...	...	...	...	·1	·2	...	·2	...	...	...	...	...	—	0·5	3
4	—	...	...	...	...	...	·2	...	...	·1	...	...	·1	...	...	...	...	—	0·4	3
5	—	...	...	·1	·7	·8	·6	·8	·8	·1	·7	·9	·9	·3	·4	·1	...	—	7·2	45
6	—	...	...	...	...	...	...	·6	·2	...	...	...	...	...	...	...	...	—	0·8	5
7	—	...	...	...	...	·1	·1	·7	·3	·2	·9	·9	·4	·8	·6	...	...	—	5·0	32
8	—	...	...	·1	·6	·5	·4	·2	...	...	...	...	·3	·2	·1	...	...	—	2·4	15
9	—	...	·1	...	...	...	...	...	...	·2	·7	...	...	...	...	...	...	—	1·0	6
10	—	...	...	...	...	...	...	...	...	·1	·1	·2	...	...	...	...	...	—	0·4	3
11	—	...	·2	...	·3	·3	·5	1·0	1·0	·8	·9	1·0	1·0	1·0	·5	·1	...	—	8·6	55
12	—	...	...	·6	...	·1	...	...	...	...	...	...	...	...	...	...	...	—	0·7	5
13	—	...	·6	·2	·2	·4	·7	1·0	·8	·4	·3	·3	·2	·2	·1	...	...	—	5·4	35
14	—	...	...	·4	·7	1·0	·9	·3	·6	...	·1	·3	·5	...	...	...	...	—	4·8	31
15	—	...	...	·3	·5	·8	·9	·9	·4	·2	·4	...	...	...	...	...	...	—	4·4	29
16	—	...	...	...	...	...	...	...	...	...	·5	·1	...	...	...	...	...	—	0·6	4
17	—	...	...	...	...	·1	·5	·4	·7	...	...	...	·5	...	·1	·1	...	—	2·4	16
18	—	...	...	·2	·3	...	·5	·5	·7	·3	·5	·4	·9	·5	·8	·7	...	—	6·3	42
19	—	...	...	...	...	...	...	...	·1	·9	1·0	·7	·3	...	·2	·1	...	—	3·3	22
20	—	...	...	·7	·8	·1	...	...	...	·3	·9	·9	·9	·2	·4	·2	...	—	5·4	37
21	—	...	...	...	...	·1	·2	·9	1·0	1·0	1·0	1·0	·3	·1	...	...	...	—	5·6	38
22	—	...	...	...	...	...	...	...	·7	·4	...	...	...	...	...	...	...	—	1·1	7
23	—	...	...	...	...	...	...	·2	·8	·9	1·0	1·0	1·0	1·0	·7	·8	...	—	7·4	51
24	—	...	1·0	·9	1·0	·9	·1	...	...	...	...	...	...	...	...	...	...	—	3·9	27
25	—	...	...	·3	1·0	1·0	1·0	·9	·4	·4	·5	·7	·6	·4	·2	·2	...	—	7·6	53
26	—	...	·9	·9	1·0	1·0	·9	·7	·7	·1	...	...	...	...	...	...	...	—	6·2	43
27	—	...	...	·2	·1	·2	...	...	·1	·1	·1	...	·8	1·0	·3	·1	...	—	3·0	21
28	—	...	...	·1	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	—	**11·0**	**77**
29	—	...	...	...	...	...	...	...	...	...	...	·6	·4	·7	·8	·5	...	—	3·0	21
30	—	—	...	·5	1·0	·6	1·0	1·0	1·0	·3	...	...	...	...	...	...	—	—	5·4	39
31	—	—	...	...	...	...	...	...	...	...	·2	·7	·4	·3	...	...	—	—	1·6	11
Sum.	...	...	2·8	5·7	9·4	9·5	10·4	11·5	**11·9**	8·7	11·4	11·6	11·3	7·8	6·9	3·8	...	...	122·7	—
Mean.	...	...	·09	·18	·30	·31	·34	·37	**·38**	·28	·37	·37	·36	·25	·22	·12	...	...	3·96	26

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

67. Aberdeen : h_S (height of recorder above ground) = 20·7 metres. **September, 1922.**

Day.	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to Noon	Noon to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	Total for Day.	Per cent. of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…
2	—	—	…	…	…	…	…	…	…	·1	·1	…	…	…	…	…	—	—	0·2	1
3	—	—	…	…	…	…	…	…	…	·1	…	…	·3	·2	…	…	—	—	0·6	4
4	—	—	…	…	…	…	…	…	…	·2	·2	·3	·7	·5	·1	…	—	—	2·0	15
5	—	—	…	…	…	…	…	…	…	…	…	·8	·9	·6	…	…	—	—	2·3	17
6	—	—	…	·1	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	…	—	—	**10·4**	77
7	—	—	…	…	·2	·3	…	·4	·6	·6	·8	1·0	1·0	·9	·3	…	—	—	6·1	45
8	—	—	…	…	·8	…	·2	·2	·2	·3	·1	·1	·2	·7	·8	…	—	—	3·6	27
9	—	—	…	·8	·2	·6	·7	·7	·7	·5	·9	·4	…	…	…	…	—	—	5·5	41
10	—	—	…	…	…	…	1·0	1·0	·8	·8	…	…	…	…	…	…	—	—	3·6	27
11	—	—	…	…	…	1·0	1·0	1·0	1·0	1·0	·4	·8	…	·9	·5	…	—	—	7·6	58
12	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…
13	—	—	…	…	·1	·6	·1	…	…	…	…	…	…	…	…	…	—	—	0·8	6
14	—	—	…	…	…	…	…	…	…	·5	·5	·1	…	…	…	…	—	—	1·1	9
15	—	—	…	…	·4	·6	·7	·9	·9	·5	·2	·5	·9	·6	·6	…	—	—	6·8	53
16	—	—	…	…	…	…	…	·1	·5	…	…	…	·3	…	…	…	—	—	0·9	7
17	—	—	…	·3	1·0	1·0	1·0	·6	·5	·5	·5	·1	·1	…	·1	…	—	—	5·8	46
18	—	—	…	·6	1·0	·6	·2	·5	·8	·5	1·0	·8	·4	·4	·8	…	—	—	7·6	61
19	—	—	…	…	…	…	…	…	…	…	…	·1	·1	·4	…	…	—	—	0·6	5
20	—	—	…	…	·5	1·0	·6	·5	…	·2	…	…	…	…	…	…	—	—	2·8	23
21	—	—	…	…	…	…	…	…	…	…	…	·1	·5	·6	…	…	—	—	1·2	10
22	—	—	…	·6	1·0	1·0	1·0	1·0	·8	·1	·1	·9	·2	·8	…	…	—	—	7·5	61
23	—	—	…	·6	·7	1·0	1·0	·4	…	…	·3	·3	…	…	…	…	—	—	4·3	35
24	—	—	—	…	…	…	·2	…	…	…	…	…	…	…	…	…	—	—	0·2	2
25	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…
26	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…
27	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…
28	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…
29	—	—	—	…	·3	·2	·5	·5	·2	…	…	…	…	…	…	…	—	—	1·7	15
30	—	—	—	…	…	…	…	…	…	·3	…	…	…	…	…	…	—	—	0·3	3
Sum.	—	—	…	3·0	6·9	8·9	**9·2**	8·8	8·0	7·3	6·1	7·3	6·6	7·6	3·8	…	—	—	83·5	—
Mean	—	—	…	·10	·23	·30	**·31**	·29	·27	·24	·20	·24	·22	·25	·13	…	—	—	2·78	22

68. Aberdeen : h_S = 20·7 metres. **October, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	…	·3	·9	1·0	·9	·4	·8	·4	·1	…	…	…	—	—	—	4·8	42
2	—	—	—	·2	1·0	1·0	1·0	1·0	1·0	·6	·8	·9	·1	…	…	—	—	—	7·6	67
3	—	—	—	…	1·0	1·0	1·0	1·0	·8	…	·2	·2	·4	…	…	—	—	—	5·6	50
4	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	—	—	—	…	…
5	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	—	—	—	…	…
6	—	—	—	…	·1	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	…	—	—	—	**8·5**	77
7	—	—	—	…	…	·3	·9	·5	·7	·9	·8	·3	…	…	…	—	—	—	4·4	40
8	—	—	—	…	…	…	…	…	…	…	…	·1	…	…	…	—	—	—	0·1	1
9	—	—	—	…	…	…	…	…	…	·1	…	…	…	…	…	—	—	—	0·1	1
10	—	—	—	…	…	·2	·1	·9	1·0	·4	·1	·1	…	…	…	—	—	—	2·8	26
11	—	—	—	…	…	…	…	·3	…	…	·2	·3	·5	…	…	—	—	—	1·3	12
12	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	—	—	—	…	…
13	—	—	—	…	…	·4	·5	·8	·3	·3	·3	…	…	…	…	—	—	—	2·6	25
14	—	—	—	…	…	…	…	·1	…	·1	…	·3	·6	…	…	—	—	—	1·1	11
15	—	—	—	…	…	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	…	—	—	—	8·3	**81**
16	—	—	—	…	…	…	…	·1	·1	·5	1·0	1·0	·3	…	…	—	—	—	3·0	29
17	—	—	—	…	…	·5	·8	·8	1·0	·9	·5	·9	·7	·1	…	—	—	—	6·2	61
18	—	—	—	…	…	·1	…	·1	…	…	1·0	·6	·4	…	…	—	—	—	2·2	22
19	—	—	—	…	…	·2	·6	…	·2	·4	…	·1	·5	…	…	—	—	—	2·0	20
20	—	—	—	…	…	…	…	…	…	…	…	·7	·3	…	…	—	—	—	1·0	10
21	—	—	—	—	…	…	…	·1	·1	…	…	…	…	…	—	—	—	—	0·2	2
22	—	—	—	—	…	…	·1	·3	·2	…	…	…	…	…	—	—	—	—	0·6	6
23	—	—	—	—	…	·2	·4	·1	·1	·1	·2	·1	…	…	—	—	—	—	1·2	12
24	—	—	—	—	…	…	…	·4	·4	·3	·2	·7	·4	·2	—	—	—	—	2·6	27
25	—	—	—	—	…	·5	·9	1·0	1·0	·6	·9	·9	1·0	·1	—	—	—	—	6·9	73
26	—	—	—	—	…	·7	·7	·9	1·0	·8	1·0	·5	·1	…	—	—	—	—	5·7	60
27	—	—	—	—	…	·2	·7	·9	·3	·4	1·0	·6	·6	…	—	—	—	—	4·7	50
28	—	—	—	—	…	·3	·1	·6	·8	·3	·1	…	·1	…	—	—	—	—	2·3	25
29	—	—	—	—	·1	1·0	1·0	1·0	1·0	·6	·5	·2	1·0	·1	—	—	—	—	6·5	70
30	—	—	—	—	…	…	·1	·2	·6	·1	·1	…	…	…	—	—	—	—	1·1	12
31	—	—	—	—	…	…	·3	·8	1·0	1·0	·6	·7	…	…	—	—	—	—	4·4	48
Sum.	—	—	—	0·2	2·5	8·9	12·2	**14·8**	14·0	11·2	11·9	11·3	9·0	1·8	…	—	—	—	97·8	—
Mean	—	—	—	·01	·08	·29	·39	**·48**	·45	·36	·38	·36	·29	·06	…	—	—	—	3·15	31

Hour L.A.T.	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to Noon	Noon to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	Total for Day.	Per cent. of Possible.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

69. Aberdeen : h_s (height of recorder above ground) = 20·7 metres. **November, 1922.**

Day.	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to Noon	Noon to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	Total for Day.	Per cent. of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	...	...	...	...	...	...	·7	·6	·3	...	—	—	—	—	1·6	18
2	—	—	—	—	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	—	—	—	—	**8·1**	**91**
3	—	—	—	—	...	·8	...	...	...	...	...	...	...	...	—	—	—	—	0·8	9
4	—	—	—	—	...	·5	·8	·3	·7	·7	·4	·6	·2	...	—	—	—	—	4·2	48
5	—	—	—	—	...	...	·1	...	...	...	...	1	...	...	—	—	—	—	0·2	2
6	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
7	—	—	—	—	...	...	...	...	...	1	·4	·9	·7	...	—	—	—	—	2·1	25
8	—	—	—	—	...	...	·2	·5	...	·1	·5	·2	...	...	—	—	—	—	1·5	18
9	—	—	—	—	...	·6	1·0	1·0	1·0	1·0	·2	...	...	...	—	—	—	—	4·8	57
10	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
11	—	—	—	—	...	·1	·5	1·0	·4	·2	·5	1·0	·4	...	—	—	—	—	4·1	49
12	—	—	—	—	...	...	·3	·8	·7	·7	·2	...	...	...	—	—	—	—	2·7	33
13	—	—	—	—	...	...	...	...	...	...	·5	...	...	...	—	—	—	—	0·5	6
14	—	—	—	—	—	...	·5	·9	...	·1	...	...	...	...	—	—	—	—	1·5	19
15	—	—	—	—	—	...	...	·8	1·0	1·0	1·0	1·0	·4	—	—	—	—	—	5·2	65
16	—	—	—	—	—	...	·6	1·0	1·0	1·0	1·0	·7	·5	—	—	—	—	—	5·8	73
17	—	—	—	—	—	...	·1	...	...	...	...	...	...	—	—	—	—	—	0·1	1
18	—	—	—	—	—	...	...	·2	·9	1·0	·5	...	...	—	—	—	—	—	2·6	33
19	—	—	—	—	—	...	...	·1	·6	·7	·6	...	...	—	—	—	—	—	2·0	26
20	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
21	—	—	—	—	—	...	...	·1	...	·9	1·0	1·0	·2	—	—	—	—	—	3·2	42
22	—	—	—	—	—	...	·7	1·0	1·0	1·0	1·0	·8	...	—	—	—	—	—	5·5	73
23	—	—	—	—	—	...	...	·4	·7	...	...	...	...	—	—	—	—	—	1·1	15
24	—	—	—	—	—	...	·2	·1	·1	...	·1	...	...	—	—	—	—	—	0·5	7
25	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
26	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
27	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
28	—	—	—	—	—	...	...	·3	·1	·1	...	·1	...	—	—	—	—	—	0·6	8
29	—	—	—	—	—	...	...	...	·3	·4	1·0	·3	...	—	—	—	—	—	2·0	28
30	—	—	—	—	—	...	·5	1·0	1·0	·5	...	...	...	—	—	—	—	—	3·0	42
Sum.	—	—	—	—	0·4	3·0	6·5	10·5	10·5	10·5	**10·6**	8·3	3·4	...	—	—	—	—	63·7	—
Mean.	—	—	—	—	·01	·10	·22	·35	·35	·35	**·35**	·28	·11	...	—	—	—	—	2·12	27

70. Aberdeen : h_s = 20·7 metres. **December, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	—	...	·5	·9	·1	·9	1·0	·3	...	—	—	—	—	—	3·7	52
2	—	—	—	—	—	...	...	·1	·8	·4	·1	...	...	—	—	—	—	—	1·4	20
3	—	—	—	—	—	...	...	·5	·8	1·0	1·0	·6	...	—	—	—	—	—	3·9	56
4	—	—	—	—	—	...	...	·9	·7	·2	·8	...	...	—	—	—	—	—	2·6	38
5	—	—	—	—	—	...	...	...	...	...	...	·1	...	—	—	—	—	—	0·1	1
6	—	—	—	—	—	...	·1	·8	·2	...	...	...	...	—	—	—	—	—	1·1	16
7	—	—	—	—	—	...	...	...	·1	...	...	...	...	—	—	—	—	—	0·1	1
8	—	—	—	—	—	...	·4	1·0	1·0	1·0	1·0	·6	...	—	—	—	—	—	**5·0**	**73**
9	—	—	—	—	—	...	...	·1	·5	·9	·1	...	...	—	—	—	—	—	1·6	24
10	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
11	—	—	—	—	—	...	...	...	1·0	1·0	·8	·2	...	—	—	—	—	—	3·0	45
12	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
13	—	—	—	—	—	...	...	...	·2	...	...	...	...	—	—	—	—	—	0·2	3
14	—	—	—	—	—	...	...	...	·2	...	...	...	...	—	—	—	—	—	0·2	3
15	—	—	—	—	—	...	...	·5	1·0	·6	·3	·5	...	—	—	—	—	—	2·9	44
16	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
17	—	—	—	—	—	...	...	...	·2	...	...	...	...	—	—	—	—	—	0·2	3
18	—	—	—	—	—	...	...	...	...	...	·1	...	...	—	—	—	—	—	0·1	1
19	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
20	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
21	—	—	—	—	—	...	...	·6	·3	...	...	...	...	—	—	—	—	—	0·9	14
22	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
23	—	—	—	—	—	...	...	...	...	...	·8	·5	...	—	—	—	—	—	1·3	20
24	—	—	—	—	—	...	...	·1	1·0	·7	·7	...	...	—	—	—	—	—	2·5	38
25	—	—	—	—	—	...	...	...	·1	·1	...	...	...	—	—	—	—	—	0·2	3
26	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
27	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
28	—	—	—	—	—	...	·1	1·0	1·0	1·0	·9	·5	...	—	—	—	—	—	4·5	68
29	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
30	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
31	—	—	—	—	—	...	...	...	...	·7	...	...	...	—	—	—	—	—	0·7	10
Sum.	—	—	—	—	—	...	1·1	6·5	**9·2**	8·5	7·6	3·3	...	—	—	—	—	—	36·2	—
Mean.	—	—	—	—	—	...	·04	·21	**·30**	·27	·25	·11	...	—	—	—	—	—	1·17	17
Annual Totals.	2·4	17·5	33·8	44·8	65·7	85·2	107·5	121·7	**123·4**	115·0	117·9	110·9	92·4	70·0	49·6	33·0	15·0	1·9	1207·7	—
Annual Means.	0·01	0·05	0·09	0·12	0·18	0·23	0·29	0·33	**0·34**	0·32	0·32	0·30	0·25	0·19	0·14	0·09	0·04	0·01	3·31	27

Day.	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to Noon	Noon to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	Total for Day.	Per cent. of Possible.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

71. Aberdeen : H_a (height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	210	6·2	225	5·6	230	5·2	245	7·2	250	5·6	240	4·6	260	5·9	245	4·9	240	3·9	260	5·2	265	5·2	265	5·9
2	255	6·6	250	6·6	275	6·6	305	7·2	315	7·9	315	10·8	315	11·8	315	10·5	315	10·5	320	9·2	320	12·5	315	10·5
3	320	9·2	295	8·2	320	9·2	320	8·2	320	9·8	320	10·5	320	11·1	320	9·8	320	10·2	315	10·5	320	9·2	325	8·2
4	330	9·8	330	9·2	325	9·8	325	9·8	325	9·8	330	9·8	330	10·5	330	12·1	330	9·2	335	10·2	330	8·5	330	8·2
5	325	9·2	325	8·2	330	8·2	325	6·9	325	8·9	330	7·9	330	5·9	330	5·6	325	5·6	325	6·2	325	5·6	325	5·6
6	—	1·0	—	1·3	—	0·7	—	0·3	—	0·7	—	0·3	—	0·7	—	1·3	—	0·7	—	1·3	325	1·6	320	2·0
7	215	1·6	—	0·7	—	1·0	—	1·0	—	1·3	280	2·6	295	1·6	—	1·0	—	1·3	—	1·0	—	1·0	—	0·3
8	190	3·3	175	3·6	170	4·9	170	6·2	175	6·2	180	5·9	200	4·9	215	3·3	250	2·3	295	4·3	315	5·9	320	5·6
9	—	0·7	—	1·3	205	2·0	195	2·0	185	3·0	195	2·0	180	2·3	165	3·9	165	4·9	185	5·6	205	3·3	215	3·3
10	255	4·9	245	3·0	240	3·3	240	3·6	240	4·6	235	3·6	235	4·9	240	5·6	245	5·6	240	4·9	235	5·6	245	6·2
11	260	6·6	265	5·9	270	5·9	275	5·6	270	5·2	265	5·6	285	6·6	295	6·2	285	6·6	320	8·5	320	8·2	320	9·5
12	325	5·6	325	6·6	325	6·6	325	5·9	325	5·6	325	3·9	325	4·3	325	3·9	325	3·9	325	3·3	325	5·2	325	3·6
13	325	1·6	325	1·6	—	1·0	325	2·3	325	3·0	—	1·3	325	2·0	325	2·0	325	2·3	—	1·3	325	1·6	325	2·3
14	170	2·3	190	1·6	—	1·3	—	0·7	—	0·0	—	0·3	—	1·3	275	2·0	285	2·0	195	3·3	150	5·2	150	6·2
15	175	4·9	170	4·9	175	4·9	180	5·2	175	5·6	175	5·9	170	6·9	170	7·9	165	9·2	160	10·2	165	9·8	165	8·9
16	155	9·2	145	10·2	145	8·5	145	10·8	140	12·1	140	12·1	140	13·1	140	12·5	140	10·2	145	12·8	145	12·5	145	10·5
17	130	5·9	115	5·6	110	5·9	105	4·6	110	2·3	100	2·3	340	2·0	325	3·0	325	2·6	325	3·0	325	3·0	325	2·0
18	—	1·0	325	1·6	—	1·3	325	2·0	260	2·6	215	2·0	190	2·3	160	5·2	155	7·2	155	7·9	155	8·5	155	10·5
19	185	2·6	—	1·3	205	1·6	—	1·0	155	4·9	150	5·6	145	5·6	145	6·2	140	5·2	140	7·5	140	6·9	160	6·6
20	210	2·6	200	3·0	220	2·3	220	1·6	—	1·3	—	1·3	—	1·3	—	1·3	200	2·0	—	1·3	250	2·0	245	1·6
21	150	6·6	150	8·2	155	7·5	155	8·9	155	8·5	155	8·2	155	9·5	150	10·2	155	12·8	155	13·4	150	13·4	155	13·1
22	180	3·6	180	2·3	190	3·3	185	2·0	205	2·3	185	2·3	185	3·0	—	1·3	185	2·0	185	2·3	195	2·0	190	2·3
23	165	5·6	160	4·6	155	5·6	150	6·2	150	6·9	150	6·9	150	7·2	150	7·2	145	6·9	145	8·2	145	7·2	145	8·5
24	140	10·2	135	10·5	140	9·8	140	9·8	140	9·8	135	9·8	130	10·2	140	9·8	130	11·1	120	10·5	115	9·2	115	9·8
25	120	9·5	125	9·8	135	10·2	135	10·5	135	10·8	130	11·1	135	11·1	135	11·1	140	9·8	140	8·5	140	11·1	135	11·1
26	135	14·4	135	14·8	135	14·4	140	13·4	140	13·1	145	13·4	145	12·1	150	10·2	145	9·8	145	8·9	145	8·9	145	8·2
29	140	10·2	140	10·2	140	10·2	145	9·8	145	10·2	145	10·2	145	10·8	145	11·1	145	9·8	145	9·5	145	10·5	140	9·8
28	135	10·8	135	11·1	130	10·5	130	11·5	130	11·5	130	10·8	130	10·8	130	11·8	130	11·5	125	11·5	130	11·8	130	11·1
29	145	5·2	140	7·2	140	6·6	145	7·2	150	6·6	145	6·6	140	7·2	145	8·5	145	11·8	145	10·5	145	10·8	140	11·1
30	145	4·6	145	4·9	140	4·9	145	4·9	150	4·3	150	4·3	150	4·3	150	4·3	150	3·3	145	4·6	145	3·9	150	4·3
31	155	4·3	155	4·6	150	4·6	150	6·2	150	6·2	145	6·2	155	5·9	150	7·2	155	7·2	160	5·9	165	4·3	170	3·0
Mean ...	—	5·8	—	5·7	—	5·7	—	5·9	—	6·1	—	6·1	—	6·4	—	6·5	—	6·5	—	6·8	—	6·9	—	6·8

72. Aberdeen : H_a = 14 metres + 23 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	1·0	—	1·3	—	1·0	180	1·6	—	1·0	—	0·3	—	0·7	—	1·0	—	1·0	—	1·3	290	1·6	—	0·3
2	—	0·7	—	1·0	—	1·0	—	0·7	—	1·0	—	1·3	290	2·3	160	5·2	150	5·9	150	7·5	150	7·2	150	8·9
3	135	11·1	135	10·8	140	11·5	140	11·8	135	12·5	135	12·5	135	13·1	130	13·4	130	13·8	135	13·1	130	13·4	135	12·8
4	145	9·5	145	9·8	145	9·8	145	9·8	145	9·2	145	8·9	150	8·2	145	7·9	150	5·9	150	7·5	150	8·5	150	7·5
5	215	2·6	215	2·3	215	3·0	205	2·0	205	2·6	200	3·0	210	3·3	195	2·6	195	3·6	200	3·9	195	3·6	195	3·9
6	195	3·3	195	2·6	200	3·0	210	3·0	205	2·3	200	3·3	195	2·6	185	3·6	210	3·3	200	3·6	180	3·9	180	4·6
7	170	4·3	185	3·9	185	3·3	185	3·3	200	3·9	195	3·6	190	4·6	190	3·9	185	3·9	175	4·9	175	4·3	180	4·3
8	190	3·9	190	4·9	190	5·2	200	6·9	190	6·6	205	3·6	200	3·3	195	3·6	200	4·3	205	4·9	200	2·3	200	2·3
9	—	1·3	—	0·0	—	1·0	—	1·3	—	1·0	—	1·0	—	0·7	—	0·7	—	1·3	145	3·0	165	2·0	150	2·3
10	170	5·2	175	4·9	180	3·6	185	4·3	180	4·3	185	4·6	175	3·9	180	4·6	180	5·2	180	3·9	180	4·3	175	4·9
11	190	3·9	190	3·3	175	3·3	175	3·0	165	2·3	160	3·0	175	4·6	185	3·9	190	2·6	185	2·3	180	2·6	185	5·6
12	210	2·0	190	2·3	190	3·3	195	2·0	175	3·9	175	3·3	175	3·3	175	3·6	185	4·6	185	3·3	175	4·9	170	4·9
13	170	3·9	180	3·3	200	3·3	190	2·6	205	3·3	210	3·9	215	5·6	215	2·6	215	2·0	220	1·6	240	2·3	250	2·3
14	260	3·6	250	3·9	235	4·6	240	4·3	240	4·9	250	3·6	265	4·9	260	3·6	265	4·3	265	2·6	270	4·6	275	3·6
15	—	1·0	225	3·3	225	3·3	215	2·3	195	2·0	195	2·0	—	1·3	180	2·3	170	2·3	175	2·3	185	1·6	—	0·7
16	180	2·0	175	2·3	180	2·6	175	3·0	175	3·3	160	3·9	155	4·6	170	4·3	175	3·3	180	3·9	175	3·3	180	3·0
17	285	3·0	—	1·3	265	1·6	290	3·0	—	1·3	290	1·6	290	1·6	—	1·3	290	2·3	290	1·6	—	1·3	—	1·3
18	—	1·3	325	2·3	325	3·0	325	4·3	325	5·6	320	7·5	325	5·9	325	6·2	325	5·2	325	6·2	320	7·9	320	7·2
19	265	3·9	260	1·6	—	1·3	235	2·3	215	2·3	215	1·6	205	2·3	200	3·9	200	3·9	195	3·9	180	3·3	170	4·9
20	295	3·3	280	4·3	245	5·6	235	4·6	235	3·9	225	3·3	220	3·0	230	3·3	235	4·6	240	4·6	245	6·2	240	6·9
21	185	2·3	180	3·6	195	2·0	190	1·6	160	4·3	155	6·2	150	6·6	155	7·2	155	7·9	160	6·6	170	6·6	180	4·9
22	190	3·6	190	4·3	195	3·3	170	5·6	170	6·2	170	7·2	170	7·5	170	5·9	185	5·6	190	4·9	190	4·9	195	3·6
23	—	1·3	—	1·0	190	2·3	190	2·3	205	3·3	215	2·0	—	1·3	220	2·6	—	1·3	205	3·0	210	4·3	225	5·2
24	—	0·7	185	2·0	175	1·6	170	2·6	160	1·6	150	1·6	170	3·3	170	3·0	190	3·9	175	4·6	165	3·3	150	3·9
25	205	6·2	210	6·6	200	6·9	200	8·2	210	8·2	210	7·2	210	6·2	210	5·6	200	5·6	195	6·2	195	5·2	180	4·9
26	245	6·2	240	3·6	230	2·0	220	3·6	225	3·3	205	5·2	180	3·3	170	5·2	170	5·6	160	6·2	165	5·6	170	5·6
27	215	7·2	220	5·6	215	6·2	230	4·3	230	3·6	225	6·2	230	7·5	225	6·9	230	6·6	230	7·5	230	8·2	220	7·5
28	200	5·2	210	6·2	220	3·9	210	4·3	210	3·9	210	3·0	215	3·9	210	4·9	210	7·5	215	5·6	210	6·6	230	7·9
Mean ...	—	3·7	—	3·7	—	3·7	—	3·9	—	4·0	—	4·1	—	4·3	—	4·4	—	4·5	—	4·7	—	4·8	—	4·8
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

Averages for periods of sixty minutes centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 14 metres + 23 metres.

January, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
265	6·9	285	11·1	295	10·8	280	9·5	265	7·5	265	7·5	265	6·9	260	5·6	245	7·2	245	6·2	245	6·6	260	6·2	6·5	1
315	10·2	320	12·5	320	10·2	320	13·8	320	12·1	320	10·8	325	9·8	325	9·5	320	10·2	320	9·8	320	8·5	320	9·8	9·8	2
320	7·9	320	9·2	320	9·2	325	8·2	325	9·2	325	8·9	325	8·9	330	8·9	325	8·5	325	8·5	325	10·2	325	9·8	9·2	3
320	10·5	325	9·8	325	12·1	325	10·2	325	10·5	325	8·2	325	8·5	325	8·5	325	8·5	330	7·2	325	9·2	325	7·5	9·5	4
325	5·9	325	4·6	325	5·2	325	5·2	325	4·9	325	4·3	325	4·3	325	2·6	325	2·3	325	1·6	—	1·0	—	1·0	5·4	5
230	2·3	205	3·0	195	3·0	195	2·6	195	3·3	185	3·0	185	3·6	190	3·6	205	3·6	205	3·9	210	3·9	200	2·3	2·1	6
250	2·0	240	2·0	—	1·3	230	2·0	220	1·6	205	2·3	205	2·0	185	2·3	190	3·0	205	2·6	190	3·0	205	2·6	**1·7**	7
290	4·3	275	2·3	270	1·6	—	1·3	260	1·6	250	2·3	250	1·6	—	1·3	—	1·0	—	1·0	—	1·3	—	1·0	3·2	8
220	4·3	235	4·3	260	4·6	250	5·6	245	6·2	245	6·6	240	6·9	240	7·9	245	7·2	260	5·2	250	5·2	265	5·2	4·2	9
245	5·2	240	6·9	245	6·6	245	5·9	240	5·9	260	6·2	260	6·2	260	5·2	265	5·9	260	5·9	260	5·9	275	5·6	5·3	10
320	8·5	325	7·5	325	6·9	325	6·9	325	6·6	325	7·9	325	8·9	325	7·9	325	5·6	325	5·9	325	5·9	325	6·6	6·9	11
325	3·0	325	2·0	—	1·3	—	1·3	—	1·0	325	1·6	—	1·0	—	1·3	—	1·3	—	1·3	—	1·0	—	1·0	3·3	12
240	2·3	200	3·0	200	2·6	200	2·0	225	2·6	215	2·3	200	2·0	185	2·0	185	2·0	175	3·0	175	1·6	170	3·0	2·1	13
150	5·6	155	5·2	170	4·6	160	4·6	150	5·2	150	5·9	155	4·9	160	5·2	155	5·9	155	6·2	160	5·2	160	5·6	3·7	14
165	8·9	165	10·2	160	8·5	155	11·1	150	11·8	150	10·8	150	11·8	150	11·8	145	11·5	145	13·8	150	9·5	150	9·2	8·8	15
135	11·1	135	11·1	135	9·8	135	8·9	135	8·9	130	7·5	130	8·5	140	6·6	140	6·6	130	6·2	130	5·9	135	6·6	9·7	16
325	2·6	325	2·3	325	2·0	325	2·3	325	2·3	325	2·3	325	2·0	—	1·0	325	2·0	325	2·0	325	1·6	325	2·0	2·9	17
160	9·2	160	8·5	160	8·5	165	5·2	195	3·0	235	1·6	215	2·3	200	3·0	200	2·3	180	2·3	195	2·0	180	2·3	4·3	18
170	4·3	175	3·6	200	3·0	225	2·6	210	2·3	210	4·9	220	4·3	225	5·9	220	7·2	205	5·6	190	4·6	210	4·3	4·4	19
225	2·6	220	2·0	—	1·3	—	1·3	215	1·6	205	2·3	190	1·6	180	2·0	200	1·6	170	3·3	160	3·6	155	5·9	2·1	20
155	12·5	155	11·5	155	12·1	155	8·9	160	6·6	165	5·2	170	5·6	170	5·2	170	4·6	175	3·9	205	3·3	180	3·0	8·5	21
175	2·3	165	3·3	155	2·6	155	4·9	155	5·9	165	3·9	155	4·9	155	6·2	160	6·2	160	5·6	160	5·6	155	5·2	3·5	22
145	8·5	150	7·5	145	7·5	145	8·9	150	7·5	145	9·8	145	9·5	145	9·8	145	9·5	145	10·5	140	10·5	140	11·1	7·9	23
115	9·8	105	10·5	110	10·5	120	9·8	115	9·8	115	9·8	110	10·5	115	10·2	120	10·5	105	10·8	120	10·5	110	10·2	10·2	24
135	13·1	135	13·1	135	13·1	135	14·1	135	14·8	130	13·8	135	13·8	135	15·1	135	13·1	135	14·4	135	14·4	135	16·1	**12·1**	25
145	8·5	145	9·8	145	11·5	140	10·2	140	10·8	145	10·8	145	10·8	145	12·1	145	10·8	145	10·8	145	11·1	145	10·8	11·3	26
140	9·8	145	9·8	140	8·9	135	9·5	130	9·8	130	10·2	140	8·5	135	8·9	135	9·5	130	9·2	130	10·2	135	9·8	9·9	27
130	11·5	130	10·8	130	9·8	135	9·8	140	8·9	140	7·2	145	6·2	150	3·9	140	4·3	145	5·6	155	4·3	150	4·3	9·3	28
140	9·2	140	8·9	145	8·9	150	7·2	155	5·6	165	3·6	155	5·2	145	5·6	145	6·6	150	6·2	150	5·9	145	5·2	7·4	29
150	3·9	145	4·6	145	4·9	145	4·3	150	3·9	155	3·9	145	5·6	145	6·2	145	6·2	145	6·6	145	6·9	150	5·9	4·8	30
175	2·6	185	1·6	175	2·3	170	3·0	180	2·0	170	2·3	165	2·3	160	3·0	165	2·3	170	2·6	190	2·6	185	2·3	4·0	31
—	6·8	—	**6·9**	—	6·6	—	6·5	—	6·2	—	6·1	—	6·1	—	6·0	—	6·0	—	6·1	—	5·8	—	5·9	6·3	

February, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
—	0·3	—	0·3	290	2·6	290	3·0	290	2·0	290	1·6	290	2·0	—	1·3	290	1·6	—	1·0	—	1·3	—	1·3	**1·3**	1
145	9·5	145	9·8	145	10·8	135	10·8	140	9·5	140	10·2	140	11·1	140	10·2	140	9·8	135	10·8	140	10·2	140	10·5	6·7	2
135	12·1	135	12·1	135	11·5	135	11·1	135	11·1	135	11·8	135	11·8	135	12·1	140	10·2	140	11·1	140	10·5	140	10·5	**11·9**	3
150	7·9	150	6·6	150	6·9	155	5·9	155	5·2	155	5·2	155	4·9	160	4·9	170	4·3	200	2·6	200	2·3	210	2·3	6·9	4
200	3·9	195	3·0	190	3·3	195	3·0	190	3·3	195	3·3	195	2·6	195	2·3	200	2·3	200	3·0	200	2·6	190	2·6	3·0	5
185	3·9	190	3·3	195	3·0	210	3·0	190	2·3	180	3·3	175	3·3	175	3·9	170	4·6	170	3·9	175	4·3	170	3·9	3·4	6
205	3·6	215	2·3	190	3·3	180	4·3	180	4·6	175	5·9	180	5·6	180	4·9	185	5·6	190	5·9	185	6·6	190	3·0	4·3	7
205	3·9	215	2·6	—	0·7	—	0·7	—	0·3	250	1·6	—	0·3	—	1·3	—	0·7	—	0·7	—	0·7	—	1·3	2·8	8
150	3·3	155	3·0	150	3·0	160	2·6	165	2·6	160	1·6	180	1·6	185	1·6	190	2·0	190	2·6	185	2·0	180	3·6	1·8	9
175	5·2	175	5·2	175	5·6	170	5·6	180	4·3	180	4·6	195	4·3	180	3·0	185	3·3	180	4·9	190	3·3	190	3·6	4·4	10
180	5·6	180	4·9	180	5·2	185	5·2	185	5·2	185	4·3	185	4·3	180	4·3	185	3·9	190	2·0	190	2·0	210	2·0	3·8	11
170	4·3	175	3·9	170	3·3	165	2·6	150	3·3	150	2·0	125	2·3	105	3·6	105	5·2	130	7·2	145	6·9	150	5·6	3·7	12
280	3·6	275	3·9	280	4·3	305	5·9	305	5·6	290	4·9	290	6·6	275	4·9	290	6·6	265	4·3	260	4·3	270	4·3	4·0	13
280	3·6	295	2·0	295	2·0	—	1·0	295	1·6	235	2·0	240	2·3	—	1·3	235	1·6	230	1·6	—	1·0	210	1·6	3·0	14
—	0·7	—	1·0	—	1·0	—	1·3	—	1·3	—	1·3	—	0·7	145	2·6	140	4·9	150	4·9	155	3·6	170	3·0	2·1	15
190	3·9	230	2·0	255	1·6	285	1·6	—	1·0	—	0·7	285	1·6	285	2·0	285	1·6	—	1·3	285	3·3	285	3·0	2·6	16
—	1·3	—	0·3	290	2·6	200	3·6	160	2·6	140	4·6	120	4·6	125	3·0	—	1·3	5	2·0	340	2·0	325	3·0	2·2	17
320	7·5	320	8·2	325	6·9	325	7·9	325	5·9	325	6·9	315	5·6	300	6·6	300	6·2	300	4·9	300	4·6	300	3·0	5·7	18
170	6·6	170	4·6	175	5·9	190	4·3	200	4·9	210	3·3	260	5·6	295	7·2	295	7·5	295	8·2	295	5·9	295	3·0	4·3	19
235	6·6	230	7·9	225	5·6	225	5·9	215	3·9	205	2·3	215	4·6	200	3·6	190	4·6	195	3·6	180	3·6	185	3·3	4·5	20
190	5·2	185	3·9	180	4·6	190	4·9	235	8·5	225	4·6	220	3·9	200	4·6	205	4·6	205	4·9	205	3·9	190	3·9	4·9	21
220	3·9	250	3·3	260	3·3	245	3·3	235	1·6	—	1·0	235	3·3	225	3·3	230	2·0	210	1·6	—	1·3	—	1·0	3·9	22
230	4·3	225	5·9	230	4·9	230	5·9	220	4·9	210	2·3	220	4·6	230	3·6	235	4·3	90	1·6	200	1·6	—	1·3	3·1	23
150	3·0	200	4·3	195	4·3	210	6·6	225	7·9	210	8·2	215	6·2	210	4·9	210	6·9	210	6·6	210	7·2	210	6·2	4·3	24
190	4·9	185	4·6	170	4·6	170	4·3	180	3·6	195	3·9	170	4·6	165	6·2	160	6·6	170	6·6	210	6·6	250	6·6	5·8	25
190	5·6	210	3·9	220	6·9	215	6·6	205	4·6	195	3·0	200	3·9	210	5·9	210	5·9	220	5·9	215	6·6	220	5·6	5·0	26
210	8·2	205	6·2	190	5·6	195	4·6	190	5·2	200	4·6	185	4·3	215	4·6	220	5·2	225	6·2	225	5·9	215	6·2	6·0	27
220	6·2	220	7·2	225	7·5	225	8·9	220	6·6	215	6·6	205	6·9	210	9·2	215	7·5	210	9·2	215	8·9	220	9·8	6·5	28
—	**4·9**	—	4·5	—	4·7	—	4·8	—	4·4	—	4·1	—	4·4	—	4·5	—	4·7	—	4·6	—	4·4	—	4·1	4·4	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

73. Aberdeen : H_a (height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	220	8·5	220	6·9	200	5·6	215	5·9	215	3·3	200	5·6	215	2·3	205	4·6	175	2·3	215	3·3	210	4·6	230	4·6
2	280	1·6	285	2·3	275	2·3	275	2·3	290	2·6	290	1·6	290	2·0	290	2·6	265	3·6	280	5·9	295	7·2	300	6·6
3	190	2·0	195	2·3	175	3·3	170	3·6	170	4·3	180	3·6	175	3·6	175	3·6	190	4·3	185	2·0	210	3·3	220	3·3
4	—	1·3	200	2·0	200	3·6	215	3·3	200	4·6	195	3·6	185	3·0	200	3·9	210	3·9	235	4·6	260	4·9	260	5·6
5	215	2·6	210	3·0	195	3·0	190	2·6	185	2·0	165	5·2	160	5·6	160	6·2	170	7·2	170	4·9	190	4·9	210	3·9
6	220	9·5	220	8·2	230	9·2	230	9·8	225	10·2	220	10·2	225	10·8	215	8·5	215	8·5	215	8·9	215	8·9	220	8·9
7	195	3·0	265	3·6	280	3·3	260	2·3	240	2·3	220	1·6	220	3·0	210	3·3	210	4·6	215	3·6	195	3·6	205	3·9
8	210	4·6	220	5·2	210	2·6	—	1·3	200	2·3	210	4·3	215	2·3	210	3·6	215	3·9	200	2·6	270	5·6	310	4·6
9	—	1·3	—	0·0	—	1·0	—	1·3	260	1·6	275	3·3	290	3·0	290	3·0	315	2·6	5	3·6	25	6·6	25	8·2
10	335	3·3	330	4·9	345	3·6	340	4·3	330	3·3	330	3·6	330	3·0	330	2·6	330	3·0	330	1·6	45	1·0	110	2·3
11	220	3·0	230	3·0	230	2·3	230	2·0	—	1·3	230	2·0	230	2·3	235	2·6	230	3·6	210	2·0	220	1·6	230	2·3
12	295	4·3	300	5·9	300	3·9	300	4·6	300	4·6	305	3·9	310	4·6	335	4·6	45	5·9	50	5·6	45	5·6	55	4·6
13	205	1·6	200	2·0	200	2·0	210	2·6	220	2·3	—	1·3	205	1·6	—	1·3	—	1·3	—	1·0	195	2·0	175	2·6
14	—	0·7	—	0·7	—	0·3	—	0·7	—	1·3	260	2·0	290	2·3	290	1·6	—	1·3	—	0·7	—	1·0	—	0·3
15	—	1·0	—	1·3	295	1·6	295	2·0	295	1·6	—	1·0	—	1·3	—	1·3	295	2·0	—	1·3	-95	1·6	—	1·0
16	295	1·6	295	1·6	—	1·3	—	1·3	295	2·0	295	2·6	295	2·6	295	2·0	295	2·3	295	2·6	295	2·6	295	3·0
17	35	1·6	35	1·6	55	2·0	70	2·0	—	1·0	—	0·7	—	1·0	80	2·0	—	1·3	—	1·3	115	2·0	110	2·3
18	175	3·0	175	2·3	170	2·0	175	2·3	175	2·3	175	2·0	180	2·0	—	1·3	185	1·6	180	2·0	170	2·0	170	2·3
19	—	1·0	—	0·7	—	0·7	—	0·7	—	1·3	—	0·7	—	0·7	—	1·3	345	1·6	335	3·0	330	3·0	330	4·3
20	330	5·6	330	6·9	330	6·6	330	6·2	335	6·6	330	6·2	330	7·2	330	6·6	330	7·9	330	8·5	330	7·9	345	5·2
21	360	6·2	15	4·9	20	6·9	5	5·6	350	4·6	345	3·9	350	4·6	350	4·3	355	4·9	355	3·9	360	3·6	360	4·9
22	330	3·0	330	3·3	330	2·3	330	2·6	330	3·3	330	3·3	320	4·3	330	3·3	330	3·6	335	3·3	350	2·3	355	1·6
23	235	1·6	260	1·6	—	1·3	260	2·0	270	1·6	—	1·3	260	1·6	—	1·3	—	1·0	—	1·0	265	1·6	175	2·0
24	190	2·6	190	2·0	195	2·6	190	3·0	190	3·0	200	3·3	185	3·3	195	3·9	190	4·6	180	4·6	180	4·6	175	4·9
25	—	0·3	—	0·0	—	1·3	285	2·3	290	3·0	290	2·6	290	3·0	290	2·6	290	2·3	—	1·0	65	2·3	140	2·6
26	70	3·9	90	3·0	90	3·3	80	2·0	80	4·3	80	2·0	—	1·3	330	3·0	330	3·6	330	3·0	330	4·3	330	3·6
27	—	0·7	—	1·3	—	1·0	330	1·6	—	1·3	330	1·6	330	1·6	15	2·0	330	2·6	330	4·9	330	4·9	345	4·6
28	10	3·0	360	2·6	350	2·3	335	3·3	350	4·6	30	7·2	40	8·2	25	6·6	35	8·2	35	8·2	35	6·6	35	6·6
29	330	4·3	330	3·9	330	2·6	330	3·6	330	2·6	330	3·3	330	4·3	330	4·6	340	4·6	360	4·6	360	3·9	360	4·9
30	330	3·6	330	2·3	330	3·3	330	3·0	330	3·3	330	3·9	330	3·0	330	4·3	330	4·9	345	4·3	10	3·3	15	3·9
31	—	*	—	*	—	*	—	*	—	*	—	*	140	3·6	125	5·2	115	4·6	100	3·6	80	4·6	80	3·3
Mean ...	—	3·0	—	3·0	—	2·9	—	3·0	—	3·1	—	3·2	—	3·3	—	3·4	—	3·8	—	3·6	—	3·9	—	4·0

74. Aberdeen : H_a = 14 metres + 23 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	*	—	*	—	*	—	*	—	*	—	*	290	4·6	295	5·9	295	4·9	295	5·6	325	5·2	330	4·9
2	330	3·6	330	3·3	330	4·6	330	3·3	330	4·3	330	4·3	330	4·6	330	6·9	330	7·2	335	5·6	330	6·6	340	5·2
3	330	3·6	330	3·3	330	3·6	330	3·9	330	3·6	330	3·9	330	4·3	330	3·9	330	3·9	360	3·3	25	3·6	50	4·3
4	330	4·3	330	3·9	330	3·6	330	3·6	330	3·6	330	3·9	330	3·9	330	5·6	330	4·9	330	5·6	330	5·2	330	5·6
5	330	3·6	330	3·6	330	5·2	330	3·6	330	3·3	330	3·9	330	3·9	330	4·3	330	4·3	330	4·9	330	3·6	350	2·0
6	—	1·3	—	1·3	—	1·0	—	1·3	—	0·7	—	1·0	—	1·0	330	2·0	330	2·3	330	2·0	—	1·3	330	2·0
7	—	0·7	—	0·7	—	1·3	—	1·0	—	1·0	—	1·0	—	0·0	—	0·3	—	1·0	150	2·6	150	3·9	165	3·6
8	125	4·3	130	3·9	125	3·3	135	3·6	120	5·2	110	5·6	105	5·9	80	8·5	130	5·2	135	3·3	105	7·5	100	8·2
9	95	5·2	100	4·9	95	4·3	105	3·3	135	2·0	140	1·3	140	2·0	155	2·6	155	2·3	160	3·0	160	3·0	155	3·6
10	180	3·0	190	3·0	195	2·6	200	2·6	205	2·0	210	2·3	215	2·3	200	2·3	215	3·3	210	4·9	180	3·6	175	3·6
11	—	1·3	—	1·3	290	2·0	—	1·3	290	2·0	—	1·3	—	1·0	—	0·0	290	1·6	290	1·6	290	2·3	290	2·0
12	—	1·0	—	0·7	—	0·3	—	1·0	—	1·3	150	1·6	—	1·0	—	0·3	145	2·3	135	2·6	145	3·3	165	3·3
13	30	5·2	10	4·9	345	4·9	330	6·2	330	6·6	330	6·2	325	6·9	325	8·5	320	8·9	320	9·5	320	11·1	315	10·2
14	—	1·3	—	1·3	270	2·0	270	2·0	270	2·0	—	1·3	270	2·0	—	1·3	—	1·3	305	3·0	100	4·6	105	4·9
15	—	0·3	—	0·7	—	1·0	—	0·7	—	0·0	—	0·3	—	1·0	—	1·3	175	2·6	195	2·6	175	3·0	175	4·3
16	320	10·5	325	9·5	325	7·9	325	7·9	325	7·5	325	8·9	335	9·8	335	9·8	340	10·5	340	10·2	340	9·5	340	8·5
17	325	5·6	325	5·6	325	5·9	320	5·6	325	5·9	325	5·6	325	6·6	325	7·2	330	4·9	330	7·5	335	6·2	335	6·2
18	330	3·3	330	3·9	330	3·9	330	2·6	330	2·6	330	3·0	330	2·0	330	3·3	25	4·3	25	4·3	35	3·9	60	4·9
19	—	1·3	—	1·0	—	1·0	—	1·0	—	1·3	—	1·3	—	0·7	—	1·3	170	3·6	165	3·6	160	4·9	165	3·9
20	190	2·3	190	2·3	—	0·7	—	1·0	—	0·7	—	0·7	—	0·7	—	0·3	—	1·3	130	3·3	145	3·0	155	3·3
21	190	2·6	190	2·6	190	2·6	195	2·6	200	2·0	195	2·6	180	3·0	175	3·6	180	2·6	155	4·3	170	3·6	170	5·6
22	—	1·3	—	1·0	260	2·0	270	1·6	270	1·6	270	1·6	—	1·0	—	1·0	270	1·6	295	2·3	295	1·6	295	1·6
23	—	0·7	—	0·3	—	0·7	—	0·3	—	0·0	—	0·7	—	0·3	—	1·0	190	2·0	160	3·6	155	4·9	155	5·9
24	—	0·7	—	1·3	—	0·3	—	1·3	265	2·3	—	1·3	255	2·6	255	3·0	280	3·0	285	3·6	255	3·9	265	4·9
25	330	4·3	330	4·9	330	4·3	—	1·0	330	3·3	325	4·9	325	3·6	325	5·6	325	5·2	325	6·6	320	6·2	320	7·5
26	235	1·6	275	1·6	—	1·3	275	2·3	280	3·0	285	3·0	290	2·6	295	2·6	40	5·2	50	5·2	50	4·6	55	4·3
27	20	3·9	20	3·0	340	3·6	335	3·6	340	3·6	340	4·6	5	4·6	10	6·2	10	6·9	350	6·2	340	6·6	350	6·6
28	325	6·9	330	6·2	335	5·6	330	6·6	335	5·9	325	7·2	330	8·2	330	7·9	325	9·2	330	10·2	325	10·8	325	10·8
29	310	8·5	310	9·5	305	8·5	315	8·2	320	8·2	325	6·2	320	6·6	325	7·2	320	5·9	320	8·5	320	9·2	320	7·2
30	300	3·9	300	3·3	300	4·9	295	5·2	295	4·3	295	3·6	295	5·2	295	4·9	295	3·6	20	3·0	50	2·3	75	5·6
Mean† ...	—	3·3	—	3·2	—	3·2	—	3·0	—	3·1	—	3·2	—	3·4	—	3·9	—	4·2	—	4·7	—	5·0	—	5·2
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

* Denotes defective record. † Means for 29 days only.

Averages for periods of sixty minutes centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 14 metres + 23 metres.

March, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/.s	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
230	5·9	225	4·6	250	4·3	235	3·0	230	2·3	240	2·0	270	1·6	285	3·0	270	2·0	—	1·0	265	2·3	265	2·3	4·0	1
290	6·6	290	5·6	290	4·6	290	4·9	290	2·3	290	2·0	290	2·3	260	2·3	240	2·6	240	2·6	235	2·3	205	1·6	3·4	2
230	3·6	240	5·6	270	3·0	255	3·0	250	2·3	240	2·0	[illegible]	1·3	220	2·3	215	1·6	—	1·3	—	1·0	200	2·3	2·8	3
260	8·2	250	6·2	250	6·2	260	5·6	245	5·9	235	3·0	230	3·3	230	4·3	225	5·6	220	5·2	220	3·3	215	2·3	4·3	4
215	3·6	220	4·6	220	4·9	220	2·6	210	3·6	215	3·6	215	4·6	205	3·9	215	4·9	230	6·2	230	7·2	225	8·9	4·4	5
225	10·8	220	12·5	220	10·8	210	9·8	210	9·5	215	8·9	205	6·2	200	4·6	185	3·6	180	3·0	195	1·6	190	3·0	**8·3**	6
205	5·2	205	4·3	175	3·6	210	6·9	205	4·6	210	4·6	210	5·2	215	5·6	210	3·9	220	2·0	205	2·6	210	3·9	3·8	7
325	4·9	320	5·2	320	3·9	315	4·9	310	3·3	310	3·0	305	3·0	280	3·6	260	3·9	240	3·0	220	2·3	220	2·0	3·6	8
20	6·6	15	6·9	5	7·5	10	7·5	15	7·5	10	6·2	10	5·9	5	4·9	355	4·3	340	3·9	330	4·6	335	5·9	4·4	9
165	2·3	290	3·9	295	3·6	280	3·0	240	3·3	220	3·3	210	3·0	225	2·6	235	3·6	240	3·3	235	3·9	225	2·6	3·2	10
285	3·6	295	4·3	300	4·3	300	3·6	300	3·0	300	3·3	—	1·3	—	1·3	—	1·0	—	1·0	300	2·3	300	3·6	2·5	11
55	4·3	75	3·9	75	3·3	80	3·0	75	2·6	95	2·0	—	1·0	—	0·7	—	1·3	—	1·3	195	1·6	200	2·0	3·6	12
185	2·6	175	2·0	170	1·6	—	1·3	—	1·0	—	1·0	—	0·7	—	0·3	—	0·7	—	1·0	—	0·0	—	0·3	1·5	13
295	1·6	—	1·0	—	1·0	295	2·0	295	1·6	—	1·0	—	1·0	—	0·3	—	0·3	—	0·3	—	0·7	—	0·7	**1·0**	14
295	1·6	295	2·6	295	1·6	—	0·7	—	0·7	—	0·7	—	0·7	—	1·3	—	0·3	—	1·3	—	0·3	—	1·0	1·2	15
295	2·0	295	2·3	295	2·0	295	2·3	295	2·0	25	2·3	15	2·0	10	2·0	15	2·3	20	2·3	—	1·0	—	1·0	2·0	16
115	2·3	125	2·6	130	2·6	135	2·6	140	2·3	140	2·0	145	2·6	150	2·3	160	3·0	165	2·3	175	2·3	170	2·3	2·0	17
170	2·6	160	2·0	130	2·3	125	1·6	125	1·6	100	1·6	—	0·7	—	0·7	—	0·3	—	0·3	—	1·0	—	1·0	1·7	18
330	3·6	330	4·6	330	4·6	330	6·2	345	4·3	360	4·3	355	3·9	350	4·6	340	4·6	330	3·9	330	5·2	330	5·9	3·0	19
345	5·2	355	6·6	350	7·5	350	6·6	345	6·2	360	5·9	360	5·9	350	5·9	355	4·9	360	6·6	5	6·6	355	5·9	6·5	20
35	4·9	40	5·2	20	4·3	20	3·9	20	2·6	5	2·6	350	2·6	340	3·0	10	1·6	345	1·6	330	3·3	330	1·6	4·1	21
—	0·7	115	1·6	125	2·0	140	2·0	165	2·3	170	2·0	—	1·0	—	1·0	175	1·6	180	1·6	195	1·6	205	1·6	2·3	22
175	3·0	150	4·9	165	3·6	170	3·6	175	3·6	170	2·6	180	3·0	200	2·3	195	3·3	195	2·6	200	2·6	200	2·6	2·3	23
175	4·9	170	5·6	165	6·2	165	6·2	165	5·2	170	5·9	170	4·9	175	4·6	180	3·3	190	3·0	195	2·0	—	1·3	4·0	24
135	5·6	130	5·6	130	6·6	125	7·9	120	8·5	120	8·9	120	7·2	125	7·5	125	5·6	130	4·3	80	5·2	75	4·6	4·1	25
330	2·3	330	3·9	330	6·6	330	6·6	335	4·9	330	3·6	335	4·3	355	3·6	40	3·9	75	3·0	—	1·0	—	0·7	3·5	26
145	5·9	150	3·9	145	1·6	105	3·9	85	3·0	80	3·9	75	3·0	30	1·6	20	2·0	5	2·0	5	1·6	10	3·0	2·6	27
10	5·6	25	5·9	15	4·9	360	4·3	15	3·6	15	3·3	5	2·3	340	3·0	335	3·0	330	3·0	330	3·6	330	3·6	4·7	28
360	4·6	340	4·6	5	3·9	5	4·3	5	3·3	10	2·6	360	2·3	350	2·3	330	3·0	330	3·3	330	3·0	330	2·6	3·6	29
325	3·6	345	4·3	355	3·0	40	4·6	25	3·6	55	2·3	70	2·3	—	1·0	—	1·0	40	2·0	—	1·0	—	1·3	3·1	30
80	3·3	70	3·3	50	3·3	110	3·6	130	2·0	135	2·0	—	0·7	15	3·3	330	2·3	—	*	—	*	—	*	*	31
—	4·3	—	**4·6**	—	4·2	—	4·3	—	3·7	—	3·3	—	3·0	—	2·9	—	2·8	—	**2·6**	—	**2·6**	—	2·7	3·4	

April, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
330	5·2	330	5·2	330	4·3	350	3·3	340	3·9	330	4·3	330	3·0	330	3·3	330	3·6	330	4·9	330	5·9	330	3·9	*	1
335	4·6	330	3·6	330	1·6	340	4·3	330	3·9	330	2·0	330	1·6	330	2·3	330	2·6	330	3·6	330	3·0	330	2·6	4·0	2
55	4·9	50	4·6	65	5·9	55	5·9	40	3·9	30	3·3	15	2·0	340	3·3	335	3·3	330	4·3	330	3·6	330	4·3	3·9	3
345	4·3	340	3·9	350	4·3	360	3·6	10	3·9	5	2·6	345	2·0	340	2·3	330	2·6	330	3·9	330	4·3	330	3·3	4·0	4
80	3·3	80	3·3	85	1·6	—	1·0	—	0·7	—	0·3	—	0·3	—	1·3	65	2·0	355	2·0	355	1·6	335	1·6	2·8	5
330	3·6	330	2·6	330	3·3	235	3·0	170	3·6	180	2·6	205	3·0	210	2·6	210	2·3	—	1·0	—	1·3	—	0·3	2·0	6
170	3·3	155	4·6	165	3·6	170	3·6	170	2·6	160	3·6	155	2·0	155	1·6	155	2·0	155	1·6	130	2·3	125	2·3	2·1	7
100	8·2	90	7·9	85	6·2	85	6·6	85	6·2	85	6·2	85	6·6	85	6·6	85	5·9	100	5·9	100	5·6	100	4·9	5·8	8
165	3·3	165	4·3	165	5·2	160	4·3	170	4·6	175	4·3	175	2·6	185	2·6	185	2·3	190	3·0	195	3·6	195	3·3	3·4	9
170	4·3	175	3·9	180	4·3	185	3·3	190	2·6	195	2·0	205	2·6	290	4·3	290	3·3	—	1·3	—	1·0	290	2·3	3·0	10
25	2·6	85	3·6	80	3·9	90	3·3	130	3·0	140	3·3	140	3·0	140	2·6	145	2·6	150	2·3	150	2·3	—	1·0	2·2	11
155	3·9	165	3·3	170	3·6	170	3·3	160	3·6	150	3·3	145	2·0	115	2·6	90	4·3	70	4·9	45	5·2	20	4·6	2·6	12
315	10·2	310	8·5	320	8·5	300	6·2	305	5·6	305	3·9	305	3·0	300	2·0	295	1·6	265	1·6	265	1·6	270	2·0	6·0	13
115	5·2	125	5·6	115	5·2	115	5·6	100	8·9	105	8·9	90	10·2	95	8·5	95	9·2	95	5·9	105	2·3	—	1·3	4·3	14
185	5·2	180	4·9	185	4·6	200	3·9	220	4·9	225	2·6	—	1·3	—	1·3	225	3·0	255	3·9	290	8·2	300	9·8	2·8	15
335	9·5	335	9·8	335	10·8	330	9·5	340	8·5	345	7·2	340	6·9	335	6·6	330	7·5	325	6·9	325	6·2	325	5·6	**8·7**	16
335	6·2	330	6·2	330	6·9	340	5·6	335	5·9	340	4·9	330	3·9	330	4·3	330	3·6	330	3·9	330	2·6	330	3·3	5·5	17
60	4·3	75	3·9	75	4·3	75	4·3	70	4·6	75	4·6	75	2·6	75	2·6	—	1·3	—	1·0	—	0·7	30	1·6	3·3	18
170	4·9	170	4·3	170	4·9	175	3·3	175	3·9	175	3·6	170	3·3	170	3·3	175	2·6	180	3·0	190	2·3	185	2·3	2·8	19
155	3·6	150	3·6	155	3·9	155	3·9	155	3·9	160	3·6	165	3·3	165	3·0	175	2·6	175	3·3	185	2·6	180	3·3	2·5	20
175	4·9	170	4·6	175	3·9	170	5·6	175	4·6	185	4·9	180	3·6	190	2·3	195	2·3	175	1·6	—	1·3	175	1·6	3·3	21
295	2·0	295	2·3	295	1·6	295	1·6	—	1·3	295	1·6	—	1·3	—	1·0	—	0·7	—	0·3	—	0·3	—	1·0	**1·4**	22
155	6·2	155	5·9	160	5·9	170	4·9	170	4·6	175	3·0	175	2·6	185	2·3	190	2·0	240	2·3	240	1·6	240	2·0	2·6	23
270	5·2	280	6·9	275	5·6	55	4·6	80	1·6	75	2·3	330	2·6	330	6·9	330	5·2	330	4·9	330	4·3	330	3·9	3·4	24
325	7·2	325	6·9	325	5·2	325	3·9	10	3·0	70	2·6	150	2·0	195	2·6	230	3·3	235	3·3	220	1·6	—	0·7	4·2	25
70	5·9	60	3·9	70	4·3	30	4·3	25	4·6	30	5·2	15	4·3	5	3·6	5	3·9	355	4·6	355	3·9	355	3·6	3·7	26
345	7·2	345	6·2	350	7·2	345	7·2	340	7·5	335	7·5	330	8·9	330	6·9	325	8·2	325	8·2	330	5·6	330	6·6	6·0	27
325	10·5	325	10·8	320	10·2	320	10·8	320	10·5	320	7·9	325	7·2	325	7·2	325	6·6	310	6·6	315	7·9	310	7·5	8·3	28
320	7·9	325	5·9	325	4·9	325	6·2	325	5·6	315	5·2	315	4·6	315	2·6	315	2·0	305	3·0	300	2·6	300	3·0	6·2	29
60	4·9	60	4·6	30	3·9	355	3·6	350	3·3	355	3·3	340	2·6	340	2·3	335	2·6	330	2·3	340	1·6	350	2·0	3·6	30
—	**5·4**	—	5·2	—	5·0	—	4·7	—	4·5	—	4·0	—	3·5	—	3·5	—	3·5	—	3·5	—	3·1	—	3·2	3·9	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

* Denotes defective record.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

75. Aberdeen : H_a (height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	340	2·6	325	2·3	325	2·3	325	3·6	325	4·6	325	4·3	325	4·9	325	3·9	325	3·6	345	3·0	35	3·3	45	3·0
2	330	3·6	330	3·0	330	3·0	315	3·0	305	4·3	305	4·6	300	3·6	290	5·2	315	7·5	320	7·2	325	6·6	325	6·6
3	—	1·3	270	1·6	—	0·7	—	1·3	265	1·6	—	0·7	—	1·0	185	2·0	185	3·9	165	4·3	175	5·2	175	5·2
4	215	3·0	230	2·6	235	2·3	—	1·0	230	2·6	225	4·3	215	5·2	205	4·3	185	3·3	190	4·6	215	5·2	215	4·6
5	215	5·6	210	3·9	180	2·6	195	3·3	195	3·6	205	3·0	235	6·2	260	6·9	265	7·5	280	9·2	285	8·5	300	8·2
6	240	3·3	245	2·0	—	1·3	200	2·0	200	3·6	190	2·6	185	3·6	190	3·3	180	3·6	200	6·6	190	5·2	195	4·6
7	210	2·6	190	2·3	175	2·6	190	2·6	185	3·0	180	3·0	170	3·3	185	2·6	150	2·3	200	5·2	200	6·6	195	5·9
8	220	4·6	215	4·3	210	3·6	205	3·3	205	3·0	195	4·6	220	4·9	230	3·9	255	2·6	255	3·3	295	3·6	310	8·2
9	295	5·2	295	3·9	290	2·0	305	1·6	305	3·0	315	3·3	325	4·6	335	3·9	335	4·6	340	5·2	340	3·9	340	3·9
10	230	2·3	240	3·3	285	3·3	290	2·6	290	2·3	290	3·9	295	3·9	295	4·3	300	3·9	315	4·6	355	3·9	350	4·6
11	—	1·3	—	1·3	330	2·0	330	2·3	330	2·3	330	2·0	335	2·6	345	3·9	335	4·9	350	4·9	350	4·9	350	3·9
12	330	4·3	330	3·0	330	3·6	330	4·9	335	4·3	335	3·3	330	5·9	330	6·6	340	6·9	350	6·9	350	6·6	350	6·2
13	325	3·9	325	4·3	325	4·3	325	3·6	325	4·3	325	3·9	325	4·9	325	3·6	325	3·3	325	3·6	340	3·9	190	2·6
14	210	3·6	210	3·3	205	2·3	215	2·0	210	2·3	210	3·0	205	3·3	205	3·9	220	6·6	220	5·6	225	6·6	225	6·2
15	255	4·9	255	3·6	—	0·7	260	1·6	—	1·3	210	1·6	—	1·0	—	0·7	—	1·3	125	3·3	145	3·0	150	2·6
16	—	0·7	—	0·0	—	0·0	—	1·0	190	2·0	210	2·6	210	3·3	205	3·0	185	2·0	230	3·0	—	1·3	190	2·0
17	200	3·0	210	2·0	215	2·0	—	0·7	—	0·3	—	1·0	—	0·7	—	1·0	160	2·3	165	3·3	170	3·9	185	3·0
18	210	1·6	215	2·6	215	2·6	205	2·3	210	2·6	220	3·3	215	2·3	220	3·0	245	3·0	240	4·9	235	4·3	220	4·3
19	200	2·0	200	3·0	230	3·6	225	4·9	230	5·6	235	4·9	225	4·9	225	3·9	220	5·2	220	4·9	230	4·6	230	4·6
20	245	2·0	260	2·6	290	2·0	290	1·6	290	2·3	290	2·3	290	1·6	280	2·3	160	2·0	155	3·3	155	4·3	155	4·3
21	180	3·0	180	2·3	200	5·9	190	3·6	180	2·3	170	3·0	195	3·0	205	3·6	200	3·3	175	3·0	170	3·9	170	4·3
22	110	1·6	90	1·6	135	3·3	145	2·3	180	2·3	180	2·6	195	5·2	190	6·6	195	6·2	180	6·2	220	6·9	210	7·5
23	—	0·7	—	1·0	—	0·3	—	1·0	—	0·7	125	2·3	130	3·0	145	4·9	140	3·9	130	3·0	110	2·6	140	3·0
24	275	2·0	275	2·6	—	1·0	—	1·3	—	1·0	—	0·7	230	2·3	230	2·0	—	1·3	285	2·3	295	3·3	290	2·6
25	—	0·0	—	0·0	—	0·3	—	0·3	—	0·0	—	0·3	—	0·7	—	0·7	320	2·0	170	4·3	170	4·6	180	4·6
26	195	2·3	200	3·3	190	3·0	185	5·2	190	4·9	180	5·2	165	3·0	200	3·6	210	4·3	265	6·6	250	6·6	245	6·9
27	—	1·0	220	2·6	215	3·6	230	3·3	250	3·3	255	4·6	265	3·9	285	6·9	280	6·2	280	7·9	320	8·2	315	9·2
28	—	1·3	—	0·7	—	1·0	285	1·6	195	2·0	185	2·6	175	3·3	175	4·6	185	5·9	195	5·9	210	5·9	220	6·2
29	—	1·3	305	2·0	310	3·9	320	1·6	—	1·3	—	1·0	320	1·6	170	3·6	150	3·9	170	5·2	165	4·6	165	5·2
30	—	0·3	—	1·0	145	1·6	—	0·3	—	0·7	—	0·7	—	1·0	255	3·3	290	2·6	290	1·6	210	2·3	145	3·9
31	190	2·6	190	2·6	185	2·3	210	2·6	290	2·3	290	2·6	285	2·3	280	2·6	290	3·6	285	4·3	60	4·3	95	4·6
Mean ...	—	2·5	—	2·4	—	2·4	—	2·3	—	2·6	—	2·8	—	3·3	—	3·7	—	4·0	—	4·7	—	4·8	—	4·9

76. Aberdeen : H_a = 14 metres + 23 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	350	2·0	—	1·0	—	0·3	—	0·7	—	1·0	30	1·6	50	2·3	55	3·3	60	3·6	70	3·6	80	3·3	110	3·6
2	145	3·9	145	3·3	150	3·6	145	4·3	145	4·6	145	4·9	145	3·9	145	3·3	145	4·6	140	4·9	145	4·6	150	4·9
3	—	1·3	295	1·6	—	1·0	—	0·7	290	2·3	290	1·6	270	2·0	260	2·6	275	2·3	300	3·0	130	3·9	175	3·3
4	260	2·0	245	1·6	245	2·3	—	1·0	240	2·0	230	3·6	220	2·3	205	3·3	180	3·6	190	2·6	220	3·9	220	3·3
5	235	3·6	230	3·3	230	3·3	235	3·3	240	3·0	225	3·3	230	3·9	260	3·3	265	3·9	265	4·6	275	3·3	290	2·6
6	235	3·0	230	2·0	230	2·6	220	2·6	220	2·0	245	3·3	265	3·9	260	3·9	270	3·6	290	2·3	185	3·0	165	4·3
7	—	1·0	—	1·3	—	1·0	220	1·6	—	1·3	—	1·0	—	0·7	265	2·0	290	2·6	290	2·3	290	2·6	290	3·0
8	—	1·0	—	0·7	—	1·3	—	1·3	—	1·0	—	1·3	—	0·3	—	1·0	—	1·3	115	2·0	110	2·6	105	3·0
9	295	2·3	295	1·6	—	1·3	—	1·3	295	2·0	—	1·0	295	1·6	295	1·6	295	3·3	70	3·9	105	3·3	110	3·0
10	205	1·6	—	1·0	—	0·7	—	1·3	—	0·7	—	0·3	—	0·7	—	1·0	—	0·7	265	2·0	300	3·3	315	3·0
11	315	3·9	315	5·2	320	3·9	315	2·0	315	3·0	315	4·9	320	5·6	325	5·6	325	5·6	325	3·9	335	3·6	195	3·6
12	—	0·7	—	0·3	—	0·3	—	0·7	—	0·3	—	1·0	—	1·3	—	1·3	—	1·0	185	2·6	180	3·6	190	3·3
13	210	2·3	320	6·9	330	9·2	330	7·5	330	6·6	330	7·5	330	6·9	330	6·6	330	7·5	330	7·5	335	6·6	335	7·5
14	330	2·3	330	2·3	330	2·6	—	1·3	—	1·3	330	3·0	330	4·3	330	3·6	330	2·6	330	2·0	—	1·3	150	3·3
15	—	1·3	185	1·6	180	2·0	—	1·3	155	2·0	130	2·3	120	3·9	125	3·0	130	3·3	135	4·3	155	3·6	155	4·3
16	195	2·6	—	1·0	—	0·7	—	0·0	—	0·3	215	1·6	230	1·6	—	1·3	270	1·6	310	3·0	325	3·9	325	3·0
17	315	2·3	310	2·3	305	3·0	305	3·0	305	3·0	260	3·0	250	3·9	250	4·3	260	4·6	270	5·2	280	6·9	285	6·9
18	295	3·9	280	3·9	295	4·6	300	3·3	300	2·0	300	4·3	300	3·6	300	3·3	305	3·0	305	2·3	305	3·0	195	3·6
19	290	2·6	—	1·0	—	1·3	290	2·6	—	0·7	—	1·0	—	0·7	290	3·6	290	4·9	290	5·2	290	3·3	290	3·6
20	—	0·7	—	0·0	—	1·3	195	2·3	185	3·0	180	3·0	170	3·3	170	3·0	185	4·6	185	6·9	190	5·9	215	7·2
21	230	3·3	225	2·0	210	3·3	220	2·6	215	1·6	220	2·0	230	3·6	235	5·9	235	5·2	235	5·2	240	3·9	245	3·6
22	205	1·6	—	0·7	—	0·0	—	0·0	—	0·3	—	0·7	—	0·7	145	2·0	115	2·0	125	2·6	120	3·0	100	3·6
23	195	2·0	190	2·3	180	2·0	145	2·3	135	2·6	125	3·0	110	3·3	110	3·6	95	3·3	95	4·3	90	3·0	85	2·6
24	185	1·6	—	1·0	—	0·7	—	0·3	—	1·0	—	1·0	—	1·3	—	1·3	220	3·6	215	5·6	190	4·6	185	4·6
25	—	0·7	—	0·7	—	1·3	260	1·6	—	1·3	275	2·6	290	3·9	300	5·2	320	6·2	320	5·9	325	6·6	325	5·9
26	325	6·6	325	6·2	325	6·2	325	4·6	320	4·6	305	4·9	320	5·2	330	3·9	330	3·0	330	3·3	330	2·3	145	2·3
27	—	0·7	—	1·3	—	1·0	345	1·6	330	1·6	320	3·6	290	6·2	300	5·9	305	7·2	270	4·6	275	3·9	260	2·6
28	—	0·7	280	1·6	—	1·0	—	1·3	275	2·3	270	2·0	260	3·0	270	3·6	250	2·6	275	3·3	270	1·6	205	2·3
29	250	2·3	225	2·0	225	3·0	225	2·0	225	2·3	210	2·6	225	2·0	270	5·6	300	7·5	325	7·2	325	8·9	325	7·9
30	250	2·0	250	2·0	240	2·3	230	3·3	225	2·6	225	3·0	220	2·3	240	2·3	260	2·0	290	2·3	10	2·3	115	3·9
Mean ...	—	2·2	—	2·1	—	2·2	—	2·1	—	2·1	—	2·6	—	2·9	—	3·3	—	3·7	—	3·9	—	3·9	—	4·0
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

Averages for periods of sixty minutes centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 14 metres + 23 metres.

May, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21		22.		23.		24.		Mean	Day.
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
45	2·3	50	2·0	75	3·3	75	2·6	75	2·6	80	2·6	70	2·3	25	1·6	350	2·0	330	3·0	330	2·0	330	3·3	2·9	1
325	7·2	325	6·2	325	6·6	325	5·9	290	4·6	325	3·0	325	3·0	325	2·0	—	0·7	325	1·6	325	1·6	300	1·6	4·3	2
170	4·9	175	4·6	175	3·9	185	4·6	185	3·6	185	3·0	210	3·9	230	2·3	240	4·3	245	3·6	235	3·6	230	3·6	3·1	3
220	6·2	215	5·6	210	4·9	215	6·6	205	5·2	210	7·5	205	7·2	210	7·2	205	7·9	210	8·9	215	5·9	210	7·2	5·1	4
300	9·2	310	7·9	305	6·9	320	7·5	310	6·6	315	6·9	295	4·9	295	3·0	295	2·3	270	3·3	240	2·3	245	4·3	**5·6**	5
205	4·6	195	4·6	200	4·9	205	5·6	215	5·6	240	6·2	240	6·9	250	3·9	230	3·0	—	1·3	225	2·3	200	2·6	3·9	6
200	5·6	210	8·5	210	9·2	220	8·2	215	8·2	220	6·9	225	7·5	225	5·9	220	4·9	230	4·9	230	5·9	225	5·9	5·1	7
305	8·9	290	7·5	280	3·9	310	6·9	305	6·2	320	7·2	315	7·2	325	4·9	325	4·9	320	3·3	310	2·3	275	3·9	4·9	8
335	3·9	350	4·6	5	3·9	5	3·0	90	4·9	100	3·0	135	2·6	175	2·6	210	3·0	220	3·6	230	3·3	230	3·3	3·6	9
50	4·3	35	3·9	5	3·6	10	3·9	360	2·6	10	3·9	345	2·3	340	2·0	—	1·3	330	1·6	—	1·3	330	2·0	3·2	10
350	4·3	345	4·3	340	4·6	345	4·9	340	4·9	335	5·2	340	3·6	335	2·6	330	3·9	330	4·3	330	4·9	330	4·6	3·6	11
340	5·9	345	5·2	340	5·6	340	5·6	345	5·6	340	5·6	330	4·9	340	3·3	330	4·3	330	5·2	330	3·9	330	3·6	5·1	12
175	3·3	175	3·3	175	2·6	175	2·6	150	2·3	60	1·6	—	1·0	—	0·3	305	1·6	245	4·3	235	3·9	225	3·9	3·2	13
235	6·9	220	6·9	220	7·2	230	7·9	215	6·6	230	9·2	220	7·5	305	3·9	295	5·9	310	7·2	265	4·3	235	3·6	5·3	14
135	3·0	105	3·0	90	2·3	—	1·3	55	2·6	40	3·6	45	3·3	30	3·0	35	2·6	45	3·0	—	1·3	—	1·3	2·4	15
185	3·0	210	5·6	210	6·6	220	4·9	210	5·6	200	2·6	170	2·6	175	2·6	165	2·6	160	1·6	190	2·0	195	2·3	2·6	16
185	3·6	185	3·3	180	4·3	175	3·9	175	3·3	175	3·0	195	2·3	195	1·6	190	1·6	195	2·3	195	2·3	205	2·0	2·4	17
230	5·9	240	4·6	255	5·6	255	5·6	255	4·9	250	5·2	245	3·6	245	5·2	240	3·9	230	3·9	225	3·0	200	2·0	3·8	18
235	4·3	265	4·9	295	6·2	295	6·9	295	6·6	300	6·6	280	5·2	255	3·3	245	3·9	235	2·6	230	3·3	245	3·9	4·5	19
150	5·2	150	5·6	160	4·9	185	5·2	175	4·3	175	3·6	185	3·9	190	3·6	195	4·3	185	1·6	170	2·0	185	3·3	3·3	20
165	4·9	190	4·6	210	5·6	190	3·9	185	3·9	180	3·0	185	2·3	150	1·6	160	2·6	—	1·3	—	1·3	—	1·0	3·3	21
225	7·2	230	7·2	220	6·6	225	5·6	235	6·2	250	4·6	255	3·6	250	2·3	—	1·3	—	1·0	—	1·3	—	1·0	4·2	22
135	3·6	110	2·6	100	1·6	120	2·3	130	2·3	165	1·6	—	1·3	—	1·0	215	2·0	220	1·6	230	2·6	230	2·3	2·1	23
155	3·6	140	3·6	140	2·3	145	1·6	—	1·0	—	0·7	100	1·6	—	0·7	—	0·7	—	1·3	—	0·3	—	0·3	**1·7**	24
175	4·3	170	4·9	170	4·6	165	4·9	185	6·9	190	4·6	195	3·9	200	3·6	180	2·6	185	2·6	185	2·6	195	2·3	2·7	25
255	6·6	250	8·2	275	8·9	275	8·2	285	8·9	265	6·9	265	5·6	270	4·9	260	4·9	260	4·3	260	4·9	245	3·6	5·4	26
315	8·2	320	7·2	325	6·9	325	6·9	330	6·6	330	4·9	330	4·6	330	3·6	330	3·9	330	2·0	—	1·3	310	1·6	5·0	27
225	6·2	235	6·6	245	6·9	255	6·6	280	6·9	280	5·9	310	6·6	290	3·9	295	2·3	300	2·3	305	2·3	305	2·3	4·1	28
170	4·3	170	4·6	160	3·9	155	3·9	155	3·0	155	2·3	140	2·3	—	1·0	—	0·7	—	0·3	—	0·7	—	0·0	2·6	29
100	2·0	85	2·0	90	1·6	—	1·3	—	1·3	295	2·6	—	1·0	295	1·6	295	1·6	—	1·3	285	2·0	230	4·3	**1·7**	30
105	3·3	105	3·6	105	3·6	105	3·3	100	3·0	90	2·6	90	2·3	90	1·6	—	1·0	—	0·3	—	1·3	10	1·6	2·7	31
—	5·1	—	**5·1**	—	5·0	—	4·9	—	4·7	—	4·4	—	3·9	—	2·9	—	3·0	—	2·9	—	2·6	—	2·9	3·7	

June, 1922.

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
105	3·9	120	4·3	125	3·9	135	4·3	125	4·6	130	4·6	125	3·6	130	5·2	135	3·6	140	3·3	140	3·9	145	3·9	3·1	1
145	3·6	150	4·6	160	4·3	160	4·3	180	3·0	180	2·0	185	2·0	—	0·7	255	1·6	—	1·3	—	1·3	—	0·3	3·4	2
165	4·3	165	3·3	150	3·6	80	3·3	55	3·3	65	2·3	—	0·7	—	0·7	—	0·7	—	1·0	260	1·6	—	1·0	2·1	3
220	4·9	215	4·9	225	4·9	230	5·9	220	3·9	210	3·6	225	3·6	220	4·9	220	4·3	230	3·0	235	3·3	230	2·6	3·4	4
290	3·3	290	3·0	290	3·9	280	3·3	265	2·6	240	2·3	230	2·3	210	2·0	230	3·0	230	2·3	235	2·6	240	3·0	3·1	5
180	4·6	160	5·6	155	5·6	130	3·9	110	3·9	100	4·3	105	3·6	110	3·3	110	3·3	145	2·6	175	1·6	—	1·3	3·4	6
310	3·0	110	3·6	110	3·9	125	3·6	130	3·6	135	2·6	140	2·6	140	1·6	—	1·3	—	0·7	—	0·3	—	0·3	2·0	7
110	2·6	110	3·6	120	2·3	165	2·0	200	3·0	—	1·0	—	0·7	—	0·3	—	1·0	295	2·3	295	2·6	295	2·0	**1·6**	8
130	3·3	130	3·3	125	3·3	150	3·0	160	3·0	165	3·0	180	2·0	190	2·3	185	2·6	185	3·9	190	3·0	195	2·0	2·5	9
330	3·3	330	2·6	50	1·6	125	3·0	140	1·6	20	2·0	—	1·0	335	2·6	330	4·3	330	3·6	325	4·9	320	4·9	2·1	10
175	3·9	170	3·9	155	4·3	140	3·9	130	3·6	135	4·3	145	3·0	150	2·3	145	2·3	145	2·3	—	1·3	—	0·7	3·7	11
235	4·6	220	6·2	225	6·2	220	4·9	220	5·2	220	4·9	225	3·9	215	3·6	230	4·6	215	4·9	210	4·3	210	2·0	3·0	12
335	8·2	335	8·5	335	7·5	340	7·2	340	6·6	340	6·2	335	6·2	335	4·6	335	3·6	330	3·3	330	2·3	330	2·6	**6·2**	13
175	3·3	185	3·6	185	3·6	180	3·6	170	3·6	180	3·3	185	3·0	185	2·6	180	2·0	190	2·3	190	1·6	—	1·3	2·7	14
155	3·9	150	4·6	155	3·9	165	4·3	170	4·3	175	3·9	185	3·9	190	3·9	195	3·9	195	3·6	205	3·3	210	4·3	3·3	15
325	3·9	325	4·6	330	7·2	330	7·2	330	6·9	330	8·2	330	5·6	330	4·3	330	3·6	330	3·0	—	1·3	330	2·0	3·3	16
295	7·2	275	5·9	295	4·6	300	6·6	305	6·9	310	5·9	310	5·6	300	4·9	300	3·9	295	3·3	285	4·3	290	4·3	4·6	17
185	3·9	185	4·3	180	2·3	—	1·3	200	3·0	200	2·0	215	2·6	215	1·6	—	0·7	—	0·7	—	0·3	—	1·0	2·8	18
195	3·9	90	4·3	85	4·3	75	3·9	65	4·3	75	3·3	75	3·3	—	1·3	—	1·0	—	1·3	360	1·6	—	1·0	2·7	19
225	6·2	225	6·9	255	6·6	260	6·2	255	5·2	250	5·9	255	4·9	240	4·3	255	2·6	235	3·0	230	3·6	235	3·0	4·1	20
240	3·6	240	4·6	240	3·3	285	3·3	160	2·6	75	2·6	85	2·0	85	1·6	—	1·0	—	0·7	—	0·3	—	1·3	2·9	21
100	4·6	105	3·3	205	2·6	185	3·6	180	2·6	180	3·6	185	2·3	180	1·6	180	1·6	185	2·0	185	2·3	195	1·6	2·0	22
80	3·0	65	2·6	90	2·6	100	1·6	110	2·0	110	2·0	115	1·6	—	1·3	—	1·3	140	1·6	—	1·3	—	1·3	2·4	23
185	4·6	185	4·3	180	5·2	185	4·6	195	4·3	210	2·3	185	3·0	185	2·6	185	2·3	195	2·0	—	1·3	—	0·3	2·7	24
325	5·2	325	5·6	325	5·2	325	4·6	325	5·6	325	7·5	325	6·9	325	6·9	325	6·2	325	6·2	325	6·9	325	6·9	4·7	25
170	3·0	145	3·0	155	2·3	160	1·6	80	2·0	—	1·0	—	0·3	—	0·3	—	1·0	—	0·7	—	1·0	—	1·0	3·1	26
200	3·3	150	3·6	150	3·6	155	3·3	—	1·0	—	1·3	250	3·3	270	2·3	270	2·3	280	2·0	—	1·3	280	2·0	2·9	27
190	3·0	185	3·0	340	3·0	60	3·3	80	3·0	—	1·3	—	1·3	260	3·3	265	3·6	265	2·6	265	3·3	265	2·0	2·4	28
325	8·2	325	6·9	325	6·2	325	6·2	280	5·2	270	4·9	260	4·9	265	4·6	245	4·6	250	4·3	245	3·6	245	2·0	4·8	29
115	2·0	105	1·6	135	1·6	—	1·0	215	2·0	20	1·6	—	0·3	—	0·7	—	1·0	—	0·7	—	1·0	—	1·3	1·9	30
—	4·2	—	**4·3**	—	4·1	—	4·0	—	3·7	—	3·5	—	3·0	—	2·7	—	2·6	—	2·5	—	2·4	—	**2·1**	3·1	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

77. Aberdeen : H_a (Height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	1·0	—	0·7	—	1·0	—	1·0	285	1·6	230	1·6	185	3·0	180	3·0	180	3·0	170	4·6	170	4·9	155	5·9
2	205	2·6	210	3·0	190	3·3	195	3·0	190	4·3	180	5·2	185	6·2	185	6·2	185	7·2	185	6·2	185	6·2	195	6·6
3	210	2·6	205	3·0	205	2·6	200	2·3	205	2·6	205	3·0	215	3·9	210	5·2	200	3·6	230	3·0	235	3·6	270	3·3
4	—	0·7	—	0·3	—	0·3	—	1·3	—	1·3	95	2·6	115	3·0	125	3·6	130	3·9	135	4·3	125	3·6	125	3·3
5	230	3·0	245	3·3	260	3·0	265	3·0	270	3·0	270	2·6	290	4·3	290	4·3	290	4·6	290	4·3	290	2·6	290	3·9
6	40	4·3	40	5·2	40	6·2	40	7·5	40	7·9	35	8·9	20	7·5	15	8·5	360	7·2	350	8·2	345	8·2	340	9·8
7	235	3·9	235	3·0	230	3·3	230	3·3	230	2·6	220	3·0	240	3·9	240	4·6	255	4·6	250	4·3	250	3·9	265	4·3
8	295	1·6	—	1·3	295	2·0	—	1·3	—	0·7	—	0·3	—	1·0	295	2·6	185	3·0	185	3·3	185	4·3	165	3·3
9	60	7·2	50	6·6	80	6·2	75	7·5	60	5·2	45	4·9	50	5·2	35	4·9	30	4·6	20	3·9	360	3·0	360	3·6
10	325	6·6	325	6·2	325	8·5	320	9·2	320	8·5	320	7·5	320	7·5	325	7·9	325	8·2	325	7·2	325	6·9	325	6·9
11	245	1·6	—	0·7	—	0·3	—	0·3	—	0·0	—	0·0	—	1·0	185	2·0	155	3·3	140	4·3	155	3·9	160	3·6
12	215	2·6	215	2·6	215	2·3	220	3·3	210	3·9	210	3·6	195	3·9	190	3·0	190	3·6	190	3·0	200	3·3	190	3·6
13	—	1·3	—	1·0	—	0·7	—	0·3	—	0·3	—	0·3	—	0·3	290	1·6	185	2·0	185	2·6	185	2·6	185	3·9
14	185	3·6	185	4·9	185	4·3	185	3·6	185	3·6	185	4·6	185	3·9	185	3·9	185	3·3	185	4·6	185	3·6	185	3·9
15	—	1·0	—	1·0	—	0·7	—	1·0	290	2·6	290	2·6	290	2·6	290	2·0	—	1·3	—	1·0	290	2·6	95	2·0
16	40	3·6	40	3·9	35	3·6	35	3·9	35	3·9	30	4·6	30	5·2	35	6·2	35	6·2	40	5·6	10	4·6	355	4·9
17	—	0·0	—	0·0	335	1·6	—	1·3	335	2·0	330	2·6	330	3·9	330	3·9	330	3·9	330	3·9	330	4·3	330	2·3
18	310	2·6	310	3·3	320	3·3	320	3·9	325	5·6	325	6·2	330	5·6	330	4·3	335	5·9	330	6·6	325	6·9	325	5·2
19	330	3·3	330	3·6	330	3·0	330	2·6	—	1·3	330	3·6	325	5·6	325	4·9	330	4·3	330	4·6	330	4·3	330	4·6
20	—	1·0	—	1·3	175	1·6	—	1·0	180	2·0	180	2·3	180	1·6	180	3·0	180	3·3	185	3·9	190	4·6	180	4·3
21	340	2·3	—	1·3	—	1·3	—	0·7	—	1·3	45	1·6	70	2·0	105	2·3	110	2·0	85	2·3	—	1·3	75	2·3
22	—	0·7	—	1·3	—	1·3	—	1·0	—	0·7	—	0·7	—	0·3	—	1·3	290	2·6	290	2·0	290	2·3	290	1·6
23	105	2·0	—	1·3	—	0·7	—	0·7	90	2·0	70	2·3	80	3·3	80	3·3	80	3·3	85	4·3	80	4·3	80	4·6
24	335	2·3	340	3·0	350	3·0	340	3·3	330	3·6	330	3·6	330	5·2	330	4·9	330	5·9	330	6·6	330	6·9	335	5·6
25	330	2·6	330	3·0	330	2·3	330	3·3	330	3·3	330	4·6	330	3·9	330	5·2	330	4·6	335	4·9	330	3·6	330	4·6
26	165	2·0	170	2·3	180	1·6	180	2·3	175	3·3	160	3·6	170	3·3	175	3·9	170	4·6	175	4·3	175	4·9	185	3·6
27	310	2·0	310	2·0	310	2·0	—	1·3	—	1·0	—	1·3	290	3·3	280	4·6	305	2·6	305	3·6	305	2·0	305	2·0
28	330	1·6	—	1·0	—	1·3	330	1·6	—	0·3	—	0·7	320	2·0	310	2·6	310	2·3	300	2·3	260	1·6	255	2·0
29	—	0·3	—	0·7	245	1·6	200	2·6	195	2·3	190	3·9	185	3·9	180	4·6	185	3·9	165	4·9	180	4·6	185	4·6
30	265	3·3	255	2·0	—	1·3	—	1·3	—	0·7	245	1·6	220	2·6	230	2·0	215	2·0	220	3·0	225	4·9	220	4·3
31	205	2·0	215	1·6	210	2·0	205	3·0	220	3·0	220	4·3	205	4·3	210	3·3	210	3·3	205	3·3	205	3·0	220	3·3
Mean ...	—	2·4	—	2·4	—	2·5	—	2·6	—	2·7	—	3·2	—	3·7	—	4·0	—	4·0	—	4·2	—	4·1	—	4·1

78. Aberdeen : H_a = 14 metres + 23 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	1·0	—	0·3	—	0·7	—	1·0	—	1·3	245	1·6	245	2·0	240	2·0	240	2·0	250	1·6	245	1·6	—	1·3
2	—	1·3	280	2·6	280	2·0	265	2·3	230	2·0	250	3·0	265	3·6	275	4·9	305	7·2	320	5·9	325	5·2	325	4·6
3	270	1·6	270	2·3	275	1·6	275	3·3	290	2·6	290	1·6	290	2·0	—	1·3	290	2·0	—	1·0	—	1·3	210	3·9
4	—	0·7	—	0·7	—	0·7	—	0·7	—	0·3	—	1·0	—	1·0	—	0·3	120	1·6	115	2·3	125	2·6	70	2·6
5	—	1·3	95	2·0	95	1·6	95	1·6	—	1·0	—	1·0	—	0·7	100	1·6	130	2·6	155	3·3	155	4·3	165	3·6
6	—	1·0	230	1·6	255	2·3	265	2·3	270	2·3	—	1·3	—	1·3	—	1·0	275	1·6	275	2·0	295	2·6	300	3·3
7	—	0·7	—	0·3	—	0·7	320	2·3	320	1·6	320	2·6	320	2·3	320	2·6	320	2·3	320	2·6	320	3·0	320	3·0
8	35	3·3	25	3·3	20	3·0	10	3·3	30	4·9	40	6·2	40	6·2	45	7·5	45	8·5	45	8·9	45	7·9	50	7·9
9	25	5·2	30	5·6	25	4·9	10	3·6	355	3·3	350	3·0	355	3·3	25	5·9	25	5·9	10	5·9	10	6·2	15	6·2
10	335	3·6	330	3·9	330	3·9	330	3·9	330	3·6	325	4·9	325	5·2	330	5·2	330	5·6	330	4·9	335	4·6	335	3·6
11	330	2·0	330	1·6	—	1·3	330	1·6	—	1·3	330	2·0	—	1·0	—	1·0	20	2·0	110	3·0	130	3·9	130	3·6
12	—	1·3	—	1·0	—	1·3	—	1·3	180	1·6	180	2·0	180	2·6	180	3·6	185	5·2	185	5·6	185	4·6	180	4·6
13	260	2·6	265	2·6	270	2·6	285	1·6	—	1·0	285	1·6	260	2·6	255	2·6	265	3·0	270	3·3	265	3·6	290	4·3
14	305	2·3	270	2·3	—	1·3	270	3·0	270	2·0	265	2·0	—	0·3	275	3·0	280	3·6	285	2·3	200	3·0	185	2·6
15	—	0·3	—	0·3	—	1·0	—	1·3	—	1·3	—	0·7	185	2·0	225	2·6	230	2·3	240	3·3	225	3·9	230	3·3
16	195	3·0	190	2·6	185	2·3	200	2·3	195	2·6	190	2·6	190	2·0	185	3·3	190	4·6	185	3·9	190	3·9	190	2·6
17	220	2·6	210	2·0	215	1·6	—	1·3	—	1·0	—	1·3	—	1·3	—	1·0	225	1·6	230	2·0	220	2·3	240	4·3
18	—	1·3	260	2·6	255	2·6	250	3·6	245	2·6	230	2·6	220	2·6	250	3·6	280	6·2	290	6·6	310	6·2	270	5·9
19	270	1·6	260	1·6	—	1·3	—	1·3	—	0·7	—	0·7	245	1·6	230	2·3	215	1·6	—	0·7	185	1·6	185	1·6
20	275	1·6	210	1·6	—	0·7	—	0·7	215	2·6	220	2·0	220	1·6	225	2·3	220	2·0	290	2·6	—	1·0	290	3·0
21	—	1·3	—	1·3	—	1·0	—	1·0	—	0·7	—	0·7	—	1·0	—	0·7	—	1·3	90	2·3	120	1·6	105	2·6
22	180	2·0	—	1·0	—	1·0	180	1·6	—	1·0	—	0·7	180	2·0	180	2·6	275	2·6	290	2·3	290	1·6	—	1·0
23	200	2·0	230	1·6	305	5·6	335	4·9	330	4·9	330	3·9	325	5·6	325	5·9	320	6·6	320	7·9	320	10·2	320	10·5
24	320	4·3	320	3·3	315	4·3	310	4·3	300	3·6	300	3·3	300	4·3	300	4·3	300	3·3	300	1·6	300	1·6	—	1·3
25	260	2·6	285	3·3	290	2·6	290	2·6	290	3·0	290	3·0	290	3·0	300	6·9	300	6·9	320	6·9	320	7·2	320	6·9
26	265	3·3	260	5·6	275	5·6	240	2·0	235	2·3	235	1·6	230	1·6	245	3·0	260	3·0	225	2·3	225	1·6	185	3·3
27	185	3·3	195	3·6	190	4·6	190	4·6	200	3·3	200	1·6	195	2·3	190	3·0	190	3·6	185	3·6	190	3·0	210	3·3
28	220	1·6	—	1·0	—	1·3	—	0·7	—	0·7	—	0·7	—	0·3	—	0·3	195	1·6	180	2·6	150	3·6	145	3·6
29	—	0·7	—	1·3	—	1·3	—	0·3	—	0·7	—	0·7	—	1·3	—	1·3	180	3·0	180	2·0	180	3·0	180	4·3
30	—	1·0	—	0·7	—	0·7	—	1·3	—	1·3	—	0·7	—	1·3	185	1·6	185	1·6	150	2·6	155	2·6	115	2·6
31	80	6·6	75	4·9	120	2·3	—	1·3	—	1·3	170	1·6	—	1·3	170	1·6	—	1·0	180	2·0	175	3·3	150	2·3
Mean ...	—	2·2	—	2·2	—	2·2	—	2·2	—	2·0	—	2·0	—	2·2	—	2·9	—	3·4	—	3·5	—	3·6	—	3·8

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

Averages for periods of sixty minutes centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (Height of anemograph above ground) = 14 metres + 23 metres.

July, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
155	6·2	170	6·6	180	4·9	185	4·6	185	4·9	180	4·6	155	6·6	175	5·6	185	4·9	190	5·2	210	4·3	200	3·3	3·8	1
190	7·2	190	5·6	205	5·6	210	5·9	215	5·6	210	4·6	215	4·9	215	4·3	225	3·0	220	2·3	210	3·0	205	3·0	4·8	2
260	2·6	240	3·3	—	1·3	295	2·3	305	2 3	320	3·9	325	2·3	325	2·6	—	1·3	—	0·7	—	1·0	—	0·3	2·7	3
140	4·9	140	4·6	120	3·9	130	4·6	175	1·6	185	2·0	—	1·3	—	1·3	195	1·6	—	1·3	—	1·3	210	2·6	2·4	4
290	3·6	290	3·0	290	2·3	290	1·6	—	0·7	100	1·6	100	2·0	105	1·6	75	2·6	55	2·0	50	3·3	45	4·3	2·9	5
330	12·5	330	13·8	335	12·1	335	12·8	330	11·8	320	10·8	320	10·2	310	8·9	310	8·9	290	8·9	290	9·2	270	6·6	**9·0**	6
265	2·3	215	2·6	225	2·6	185	2·0	—	1·3	185	2·0	280	2·6	—	0·3	—	1·0	—	0·3	—	1·0	295	2·0	2·8	7
130	3·9	130	3·6	130	3·9	135	3·9	125	4·3	115	5·2	115	5·2	115	5·2	100	5·2	80	5·2	65	6·9	60	7·2	3·4	8
340	3·9	335	4·3	330	6·6	330	6·9	330	6·6	330	6·2	330	5·6	330	7·2	325	7·9	330	7·2	330	7·2	330	5·9	5·8	9
325	5·9	330	4·9	330	4·6	330	3·6	135	3·3	150	2·6	160	1·6	160	1·6	—	1·0	—	1·3	—	1·3	—	1·3	5·3	10
175	4·3	180	3·9	185	3·9	185	3·0	185	3·3	190	3·3	195	3·0	190	3·9	200	3·0	210	2·6	215	3·3	220	3·0	2·5	11
185	2·6	190	3·3	185	2·6	190	2·3	195	2·3	—	1·3	195	2·3	—	1·0	—	1·0	—	1·0	—	0·3	—	0·7	2·5	12
185	4·3	185	3·6	185	3·9	185	2·0	185	2·3	185	3·3	180	3·6	180	4·3	180	4·3	190	4·3	190	3·6	190	3·6	2·4	13
185	3·9	185	4·9	185	4·3	185	4·6	185	3·0	185	3·0	185	2·6	185	2·0	185	1·6	180	2·0	180	1·6	—	0·3	3·5	14
105	2·6	95	3·3	90	1·6	80	2·0	65	2·6	60	3·0	50	3·0	50	2·6	40	2·0	35	2·6	30	3·0	35	3·6	2·1	15
355	4·6	360	4·6	5	5·6	340	4·3	335	5·6	340	3·3	350	3·0	335	2·3	—	1·0	—	1·0	—	0·3	—	0·7	3·9	16
320	3·0	310	2·6	—	1·3	—	1·3	—	1·0	—	0·7	—	1·3	—	0·7	—	1·3	310	1·6	310	2·0	310	2·0	2·0	17
325	6·9	330	6·9	335	6·2	330	7·5	325	6·9	330	5·2	330	3·9	330	3·0	330	4·9	330	4·6	330	4·3	330	3·9	5·1	18
330	3·0	45	2·6	170	3·0	180	3·0	180	2·6	180	2·0	140	1·6	—	1·3	—	0·7	—	1·3	—	1·3	—	0·7	2·9	19
185	5·9	185	3·9	185	3·6	190	2·6	185	3·9	190	6·2	185	4·6	185	2·6	185	3·6	195	3·6	210	1·6	210	3·0	3·0	20
70	2·6	65	1·6	—	1·3	225	4·6	220	3·6	250	4·3	250	4·3	255	2·6	270	2·3	280	1·6	—	1·0	—	0·7	2·2	21
235	3·0	180	3·6	125	3·6	105	2·3	105	2·3	105	1·6	—	1·3	—	1·3	105	1·6	105	1·6	105	1·6	105	2·3	**1·7**	22
80	4·6	85	3·6	80	3·6	75	4·3	70	3·9	70	4·3	55	3·6	35	3·3	30	2·6	360	2·3	350	2·6	335	2·3	3·0	23
335	5·6	340	5·2	340	4·6	335	5·9	335	5·2	340	4·3	340	4·6	330	4·6	330	3·6	330	3·6	330	3·3	330	3·3	4·5	24
340	4·3	330	4·6	330	3·6	320	4·9	340	3·3	360	3·0	5	2·0	—	1·0	—	0·3	—	0·3	100	1·6	130	2·0	3·2	25
185	3·3	190	3·3	185	4·3	190	3·3	200	2·0	205	1·6	—	0·7	—	1·0	245	2·6	295	5·2	310	4·6	310	2·6	3·0	26
30	3·0	110	2·3	115	2·6	—	1·0	125	3·0	105	2·6	60	2·0	—	0·7	—	0·7	—	1·3	—	1·0	330	1·6	2·1	27
190	3·0	190	3·3	190	3·0	190	3·0	190	1·6	—	1·3	—	0·7	—	0·7	—	0·7	—	1·0	—	1·3	—	1·0	**1·7**	28
185	4·3	200	6·2	210	4·6	210	4·3	215	3·9	210	3·6	220	3·0	235	2·3	—	0·7	265	2·6	265	4·3	280	3·6	3·3	29
210	3·6	215	5·2	230	6·2	230	5·9	230	5·9	230	4·6	235	3·0	215	2·3	210	2·3	215	2·6	205	1·6	195	2·6	3·1	30
210	3·3	210	4·3	200	3·6	215	2·3	185	3·6	—	1·3	240	1·6	270	2·3	—	1·3	265	1·6	260	1·6	—	0·7	2·7	31
—	4·3	—	**4·4**	—	4·0	—	4·0	—	3·7	—	3·5	—	3·2	—	2·7	—	2·6	—	2·7	—	2·7	—	2·6	3·3	

August, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
—	1·0	90	2·6	—	0·7	—	0·7	—	0·7	—	1·3	—	0·7	—	0·7	190	2·3	225	2·0	250	2·3	275	2·6	1·4	1
325	4·3	330	2·0	—	0·7	150	3·3	225	1·6	—	1·3	—	1·0	200	2·0	235	2·3	250	1·6	—	1·3	270	1·6	2·8	2
175	2·6	175	2·3	175	2·6	175	2·0	120	2·3	120	2·3	125	2·0	—	1·3	—	0·7	—	1·0	—	0·3	—	0·3	1·9	3
70	1·6	95	2·3	95	1·6	95	1·6	95	1·6	—	1·0	—	0·7	—	0·7	—	0·7	—	0·3	—	0·3	—	0·7	**1·1**	4
180	4·3	180	3·6	185	3·9	185	3·9	185	3·3	185	3·3	190	2·3	190	2·3	190	1·6	—	1·3	—	1·0	—	0·7	2·3	5
305	2·3	305	2·6	305	2·6	310	2·6	320	2·0	320	2·3	—	1·3	—	0·3	—	0·3	—	0·7	—	0·3	—	0·7	1·7	6
360	3·3	85	4·3	95	4·6	90	3·6	80	3·6	75	3·6	60	3·0	55	3·6	45	2·0	35	2·6	30	2·3	25	3·0	2·6	7
45	7·9	45	6·6	45	7·2	45	6·9	40	6·9	35	6·9	40	6·9	35	6·6	30	5·2	25	4·6	30	5·6	25	4·9	6·1	8
10	6·6	350	5·6	345	4·9	345	4·9	335	5·9	335	5·6	335	3·9	335	4·9	330	4·9	330	3·3	330	3·3	330	3·6	4·9	9
335	4·3	335	3·9	335	4·3	335	3·9	335	3·9	330	3·0	330	1·6	330	1·6	—	1·0	—	1·0	330	1·6	330	2·0	3·6	10
150	3·9	160	4·3	180	4·3	180	3·9	180	4·3	180	3·3	180	2·6	180	2·6	180	2·6	180	2·0	180	1·6	—	1·3	2·6	11
180	4·9	180	4·6	180	4·9	180	4·6	180	5·2	185	4·3	185	3·9	190	2·3	205	1·6	—	1·0	—	1·0	—	1·3	3·1	12
330	3·3	330	2·0	—	1·0	330	2·6	—	1·3	325	3·0	—	1·3	325	1·6	325	2·3	—	1·3	320	2·3	310	2·0	2·3	13
185	3·3	185	2·6	—	1·3	—	1·3	—	1·3	185	1·6	—	1·0	—	1·0	—	0·7	—	0·3	—	0·7	—	0·3	1·8	14
220	4·6	225	4·9	215	5·6	210	3·9	210	3·6	210	3·6	195	3·3	215	3·0	205	3·3	205	3·0	190	2·0	200	2·3	2·7	15
195	2·6	205	3·3	220	2·6	205	3·6	205	3·0	220	3·9	240	3·6	260	3·3	220	2·6	225	2·3	220	1·6	225	1·6	2·9	16
250	3·0	250	3·9	275	2·0	210	2·3	330	2·0	330	3·6	325	5·2	305	4·9	265	3·0	255	2·3	265	2·6	260	3·0	2·5	17
290	6·9	295	6·9	300	7·9	315	6·9	325	6·6	325	4·3	325	3·3	325	3·0	305	3·3	295	2·3	290	3·0	255	3·0	4·3	18
185	2·3	190	2·6	215	1·6	—	1·0	—	1·3	—	0·3	—	0·7	—	1·3	290	1·6	290	2·0	290	1·6	290	1·6	1·5	19
290	4·6	325	4·9	80	5·2	70	5·6	65	3·6	70	3·0	70	1·6	—	1·3	—	1·3	350	2·0	350	1·6	—	1·0	2·4	20
115	2·3	110	2·6	120	3·0	115	2·6	140	2·3	160	1·6	170	2·6	—	1·3	180	2·0	—	1·3	180	2·3	180	2·6	1·7	21
290	2·0	290	1·6	190	2·0	190	2·3	190	2·3	190	2·0	190	2·0	190	1·6	—	1·3	200	1·6	195	1·6	195	1·6	1·7	22
320	12·5	325	10·8	320	10·8	325	10·8	330	9·8	330	7·5	325	9·2	325	7·2	325	6·9	320	6·2	320	5·9	325	3·6	**7·1**	23
210	1·6	165	3·0	170	2·6	165	2·6	170	2·6	—	1·3	—	0·7	—	0·7	—	0·7	—	0·7	—	0·7	—	1·0	2·5	24
315	5·9	320	6·6	310	8·5	300	6·2	300	7·5	300	7·2	305	6·6	290	6·2	265	3·6	275	4·9	270	4·9	260	4·3	5·2	25
185	4·3	185	3·9	185	3·9	185	3·6	185	4·3	180	4·3	180	3·9	185	3·0	190	4·6	190	3·3	190	3·6	190	3·3	3·4	26
225	4·6	215	4·9	215	5·9	220	3·9	195	3·6	190	3·0	190	1·6	—	1·3	200	3·0	205	2·3	215	2·0	—	1·3	3·3	27
145	3·9	150	3·3	160	3·6	160	3·6	165	3·3	170	1·6	170	1·6	—	1·0	—	0·7	—	0·7	—	0·7	180	1·6	1·8	28
180	3·3	190	3·0	200	2·6	190	3·3	190	3·3	185	3·6	190	3·3	190	2·3	185	3·3	185	3·3	185	2·3	—	1·0	2·3	29
105	2·0	110	2·0	—	1·3	—	1·3	—	0·7	—	0·7	—	0·3	—	0·7	—	0·3	—	1·0	—	1·0	105	4·3	1·3	30
—	1·0	—	1·3	135	2·6	160	3·0	180	2·0	180	1·6	—	0·7	—	0·7	—	1·0	—	1·0	—	0·7	—	1·0	2·0	31
—	**3·9**	-	3·8	—	3·8	—	3·6	—	3·4	—	3·1	—	2·7	—	2·4	—	2·3	—	2·0	—	**2·0**	—	2·0	2·8	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North. (E = 90°, S = 180°, W = 270°, N = 360°); Speed in metres per second.

79. Aberdeen : H_a (height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s	°	m/s.	°	m/s.
1	—	1·3	—	1·0	210	2·0	290	1·6	290	2·6	290	2·6	290	2·0	290	2·6	290	2·6	290	2·6	—	1·3	—	1·3
2	315	4·3	315	3·9	315	3·6	315	3·3	315	3·6	315	3·6	315	3·9	315	3·9	315	5·6	315	4·6	315	4·9	315	4·3
3	315	2·0	—	1·3	315	2·0	315	1·6	315	2·3	315	1·6	315	2·0	315	3·0	315	2·0	315	3·0	315	2·6	315	2·3
4	355	1·6	—	1·0	—	1·3	—	1·0	—	1·0	—	1·0	—	0·7	—	0·7	—	0·0	—	1·3	110	2·6	135	3·0
5	200	2·3	200	2·6	195	1·6	190	3·3	190	3·9	190	3·9	190	4·3	190	4·3	190	3·6	185	4·9	190	3·9	190	4·3
6	190	1·6	—	0·3	—	1·0	285	2·3	290	2·3	—	1·3	290	2·3	290	3·6	290	3·3	360	3·3	35	3·6	75	4·3
7	—	1·3	—	1·3	360	1·6	—	1·3	360	2·3	345	2·3	345	2·3	345	2·3	345	1·6	—	1·0	40	1·6	110	2·0
8	—	0·7	—	0·0	—	0·7	—	0·3	—	0·7	—	1·3	290	5·3	300	5·6	350	5·3	10	4·9	10	4·6	5	4·9
9	330	3·3	330	3·6	330	3·6	330	2·6	345	3·3	350	3·0	340	3·6	335	3·9	350	4·6	350	5·3	350	4·6	360	4·9
10	340	2·3	340	2·0	340	1·6	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	330	1·6	295	1·6	215	2·3	190	3·0
11	—	0·7	—	0·7	—	0·7	—	1·0	—	1·0	—	1·3	—	1·0	—	0·3	—	1·3	250	1·6	160	2·6	120	2·3
12	250	1·6	220	3·6	205	3·6	205	3·0	205	2·3	190	2·6	185	3·3	180	5·2	175	3·9	175	5·2	170	5·9	175	5·6
13	140	4·9	130	5·2	130	4·9	130	4·3	125	3·3	110	4·3	105	3·6	100	3·9	95	5·2	95	6·2	90	3·3	75	5·6
14	350	2·6	360	3·6	360	3·3	350	3·6	340	4·3	340	4·3	330	3·9	340	3·6	340	3·3	345	4·9	335	5·9	335	7·9
15	330	6·9	330	7·5	330	7·9	330	7·2	330	8·9	330	7·5	330	7·2	330	6·9	335	7·5	335	8·5	330	9·2	330	8·5
16	255	1·6	250	1·6	235	2·3	210	3·3	205	3·3	205	4·3	205	3·3	200	3·9	205	4·9	200	4·3	210	4·9	210	6·6
17	230	1·6	250	3·9	250	2·6	245	3·3	205	1·6	200	3·3	205	2·3	190	3·6	210	3·6	210	4·9	220	4·9	230	4·9
18	310	4·6	310	3·0	310	2·3	295	3·3	275	3·6	275	3·0	270	2·3	255	3·9	245	3·9	245	3·6	210	2·6	235	2·3
19	240	2·0	220	2·0	220	1·6	220	3·0	195	3·3	190	3·6	175	3·9	175	5·9	195	4·9	195	4·9	190	4·6	185	4·3
20	260	8·9	285	12·1	315	13·4	315	12·1	315	12·1	305	8·9	260	3·3	275	4·9	300	7·5	305	7·2	290	4·6	290	4·6
21	290	2·6	—	0·7	—	0·7	—	0·3	—	1·3	—	0·7	—	0·7	—	1·0	290	2·0	290	2·6	290	3·6	290	3·0
22	290	2·0	—	1·3	290	2·0	290	1·6	290	1·6	290	2·3	290	2·3	—	1·3	—	1·3	215	1·6	255	3·0	270	2·3
23	300	2·3	300	2·0	300	1·6	300	2·3	300	2·3	300	2·0	300	2·3	300	2·3	—	1·0	135	2·3	135	2·3	135	3·0
24	150	4·6	155	4·9	160	4·3	180	3·3	190	3·6	190	4·3	185	3·6	185	4·3	185	4·6	190	5·2	190	3·0	195	3·3
25	—	1·3	—	1·3	—	0·7	—	1·0	—	1·3	285	2·0	285	1·6	—	1·3	—	0·7	160	3·0	160	3·3	155	3·6
26	150	7·5	145	7·2	130	6·9	145	7·5	145	6·2	140	6·6	130	7·9	130	8·2	130	5·9	130	9·2	130	8·9	130	8·5
27	130	7·2	125	7·9	125	7·9	125	8·2	130	7·2	130	7·9	130	6·6	130	6·6	130	7·2	130	6·9	130	6·9	130	6·2
28	120	5·6	120	4·9	125	4·9	130	5·2	130	4·6	130	5·2	130	4·3	130	4·6	135	4·3	135	3·9	140	3·9	140	3·6
29	325	6·6	325	7·2	325	8·5	325	9·5	325	9·5	325	8·2	325	8·2	325	7·2	325	8·5	325	10·2	325	10·2	330	9·8
30	—	0·3	—	0·3	—	0·3	—	1·3	325	1·6	325	1·6	320	2·0	260	2·6	195	2·3	200	2·6	195	2·6	190	3·6
Mean ...	—	3·2	—	3·3	—	3·3	—	3·4	—	3·5	—	3·5	—	3·4	—	3·8	—	3·8	—	4·4	—	4·3	—	4·5

80. Aberdeen : H_a = 14 metres + 23 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	190	2·0	—	1·0	—	0·0	—	1·0	—	1·0	—	0·7	—	1·3	—	1·3	275	3·0	275	3·0	280	1·6	270	2·0
2	190	1·6	—	1·0	—	1·0	—	0·7	190	1·6	190	3·0	190	3·0	190	2·0	210	2·0	240	3·9	240	4·3	245	4·6
3	245	2·0	245	2·6	—	0·7	—	0·3	—	0·7	245	1·6	—	1·3	—	2·0	—	1·3	245	2·6	260	2·6	—	1·3
4	160	4·3	130	4·9	130	5·9	130	5·6	130	5·6	130	6·2	130	6·6	130	6·9	130	6·6	130	6·2	135	3·9	135	3·6
5	135	2·0	145	2·6	145	2·6	150	2·3	155	2·0	170	1·6	170	2·6	170	2·6	170	2·6	130	3·6	100	4·6	95	5·6
6	100	3·0	105	2·6	110	2·0	115	1·6	115	2·3	330	3·3	330	3·3	330	2·6	—	1·3	60	1·6	100	2·0	120	2·3
7	—	1·3	—	1·3	270	2·6	275	3·3	280	2·6	280	3·0	280	2·6	285	2·6	—	1·3	—	1·3	—	1·3	290	2·3
8	—	0·0	—	0·3	—	0·3	—	1·0	—	1·0	—	0·3	—	0·3	—	0·7	—	1·3	—	0·7	300	1·6	—	1·3
9	—	0·3	—	1·0	300	2·0	—	0·7	—	1·3	—	0·7	—	0·7	—	0·3	—	1·0	—	1·3	300	2·0	250	3·0
10	—	0·7	—	0·7	—	0·7	—	0·7	—	1·3	180	3·0	180	2·6	180	2·0	175	4·3	170	3·6	145	3·9	140	4·3
11	150	3·9	—	1·0	155	2·3	150	4·3	150	3·9	130	3·9	140	1·6	150	3·9	155	4·6	140	5·9	140	5·9	150	4·6
12	185	4·6	185	3·3	190	4·3	190	4·3	190	4·3	190	4·3	200	3·3	200	3·3	205	2·6	190	3·9	190	3·3	195	3·9
13	210	4·9	210	3·9	210	3·6	210	3·0	—	1·0	195	3·0	205	2·6	195	2·0	190	2·3	190	2·6	190	3·3	190	3·9
14	200	3·6	190	3·6	195	3·9	195	3·0	190	1·6	185	2·6	185	3·6	185	3·9	190	4·3	205	5·2	200	3·9	210	6·2
15	—,	1·3	—	0·7	—	1·0	270	1·6	—	1·0	—	1·3	—	1·3	—	0·7	—	0·7	—	1·3	190	3·0	190	3·0
16	—	1·3	—	1·0	—	1·0	190	1·6	165	2·3	140	2·3	140	2·6	140	2·6	135	1·6	135	1·6	135	2·0	135	2·0
17	—	0·7	—	1·0	—	0·3	—	0·0	—	1·3	—	0·7	—	0·0	—	0·3	—	0·3	120	2·3	135	4·3	145	4·9
18	130	5·2	125	5·6	140	4·6	130	6·2	130	6·6	130	5·6	130	4·9	125	7·2	125	6·2	125	5·6	125	6·6	130	6·2
19	100	7·5	105	6·2	95	6·2	90	4·6	90	4·9	90	3·6	90	3·3	360	2·6	40	4·3	65	5·9	65	5·9	70	6·6
20	20	4·3	10	3·3	10	3·3	5	2·6	360	3·0	360	3·0	360	3·0	10	3·0	15	2·6	15	3·6	15	2·6	10	3·3
21	10	4·9	10	4·3	10	4·9	10	4·3	10	4·6	10	3·9	10	4·3	15	3·3	10	3·3	5	3·0	30	5·6	20	4·3
22	330	5·2	330	5·2	330	5·2	330	5·9	330	4·6	330	3·9	330	4·3	330	3·6	355	4·3	10	3·6	10	4·6	355	3·6
23	335	3·3	335	3·0	330	3·6	330	3·9	330	4·3	330	3·6	330	4·6	330	4·6	330	4·9	330	4·9	330	4·3	330	3·9
24	325	3·6	325	3·9	325	3·3	325	2·3	325	3·9	325	3·0	325	3·3	325	3·3	325	3·6	325	3·3	325	3·9	325	4·9
25	330	3·3	330	3·6	330	3·9	330	3·9	330	3·6	330	3·3	330	3·9	330	3·0	330	3·3	330	3·9	330	2·0	335	1·6
26	350	2·6	—	1·3	350	2·3	350	2·6	—	1·0	—	1·3	350	2·3	350	3·3	350	1·6	350	2·0	20	2·6	50	3·0
27	330	4·9	330	3·3	330	3·0	355	3·9	340	4·6	340	3·9	350	3·3	355	3·0	350	3·9	15	5·6	15	4·9	20	5·6
28	340	3·6	350	4·9	335	3·9	335	3·9	5	3·3	350	3·6	345	3·3	340	3·6	335	3·6	330	3·6	330	3·3	335	4·3
29	330	1·6	330	3·3	330	3·3	330	3·9	330	3·6	330	3·3	330	3·6	330	1·6	330	2·6	330	3·3	330	3·3	330	3·0
30	325	3·9	325	3·6	325	3·3	325	3·6	325	3·3	325	3·9	325	3·3	5	4·3	10	4·6	25	5·6	25	4·6	40	5·6
31	—	1·3	—	0·7	—	1·0	310	2·0	300	2·3	290	2·3	250	3·3	—	1·0	—	1·0	—	1·0	235	1·6	210	2·0
Mean ...	—	3·0	—	2·7	—	2·8	—	2·9	—	2·9	—	2·9	—	2·9	—	2·8	—	3·0	—	3·4	—	3·5	—	3·8

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

Averages, for periods of sixty minutes centred at the exact hours, Greenwich Mean Time.

M.S.L. + h*a* (height of anemograph above ground) = 14 metres + 23 metres.

September, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
—	1·3	290	2·6	290	3·0	295	3·3	295	2·3	295	2·3	295	3·3	295	3·6	295	4·6	310	3·6	315	3·9	31	3·9	2·5	1
315	5·9	315	5·9	315	3·6	315	4·6	315	3·9	315	3·3	315	2·6	315	2·3	315	2·3	315	2·6	315	2·3	315	2·0	2·9	2
315	2·6	315	2·6	315	3·0	350	3·3	15	3·6	5	2·3	5	2·3	360	2·0	355	2·0	355	2·3	355	1·6	—	0·7	2·3	3
160	2·6	170	3·3	180	3·0	190	2·3	190	3·0	190	3·3	190	3·3	190	3·3	190	3·3	190	3·9	195	3·0	200	2·6	2·1	4
185	3·9	185	4·6	190	3·9	190	4·3	190	3·3	190	3·9	190	4·3	200	2·6	195	3·0	190	3·3	190	3·6	190	2·6	3·6	5
80	4·3	80	3·6	80	3·3	80	3·3	80	3·0	—	1·0	—	0·3	—	1·0	—	1·3	5	2·0	360	1·6	360	2·0	2·3	6
105	2·3	100	3·0	105	2·6	130	2·0	135	1·6	—	0·7	—	0·3	—	0·7	—	0·7	—	1·3	—	0·7	—	0·7	1·6	7
5	4·9	15	5·3	10	5·3	15	4·9	5	4·9	360	3·3	340	3·3	340	3·3	335	3·6	330	3·3	330	3·3	330	3·9	3·4	8
360	4·9	355	4·6	10	4·6	15	3·9	355	3·3	345	3·0	345	2·0	345	2·6	345	2·6	340	2·3	340	3·0	340	2·6	3·6	9
190	3·9	185	3·6	190	4·6	190	3·6	195	4·3	195	4·3	205	3·3	215	3·0	—	1·3	—	0·7	—	1·0	—	1·0	2·3	10
110	3·0	90	1·6	—	0·7	—	1·0	320	2·3	275	2·3	250	3·9	265	2·0	—	1·3	—	1·3	—	0·7	—	1·0	**1·5**	11
175	4·9	165	4·9	160	4·6	155	5·6	160	5·6	150	5·6	150	5·6	150	5·9	150	5·6	155	3·9	140	4·9	145	5·2	4·4	12
65	5·2	60	4·6	55	5·6	50	4·3	50	4·9	40	3·3	35	2·6	25	2·6	350	1·6	360	3·0	360	3·0	360	2·3	4·1	13
330	8·2	330	9·2	330	7·9	330	7·9	330	7·5	330	8·2	330	7·9	330	7·5	330	6·9	330	7·5	330	7·2	330	6·9	5·9	14
330	6·9	330	5·6	340	5·2	335	5·2	330	4·3	340	2·3	350	1·6	—	1·0	335	1·6	280	1·6	260	2·0	260	1·6	5·6	15
205	5·2	205	5·9	205	6·2	210	6·9	210	8·5	205	6·2	210	6·9	215	6·9	220	3·9	—	0·7	185	2·6	200	3·0	4·4	16
300	4·9	325	7·2	340	6·2	340	6·6	335	7·5	330	7·2	330	6·2	330	5·2	330	5·9	325	3·9	320	4·6	315	4·3	4·6	17
260	5·2	260	4·6	270	4·3	275	3·9	275	3·3	280	1·6	—	1·0	—	1·3	260	1·6	—	1·3	—	0·7	—	1·0	2·9	18
190	4·3	215	4·6	240	3·3	240	4·6	220	4·3	240	5·2	245	7·2	250	7·2	250	10·8	255	10·5	245	9·8	245	7·9	5·0	19
285	4·3	250	3·9	275	3·3	290	3·3	—	1·0	290	2·6	290	2·0	290	2·3	—	1·3	—	1·0	290	1·6	—	1·3	5·5	20
290	3·0	290	3·6	290	3·3	290	2·6	290	2·0	—	0·3	—	1·3	290	1·6	290	2·0	290	3·0	290	2·6	290	2·0	1·9	21
290	4·9	295	5·6	300	5·9	300	3·0	—	1·3	—	1·0	—	1·3	300	1·6	—	1·0	—	1·3	300	2·0	300	2·3	2·2	22
135	3·0	135	3·9	155	4·3	160	3·6	155	3·3	155	3·3	155	3·3	155	3·0	155	2·6	150	3·0	155	3·0	155	4·6	2·7	23
190	3·0	190	3·0	190	3·3	190	3·0	190	3·3	210	2·0	195	2·3	205	1·6	—	1·0	—	0·3	—	1·0	285	1·6	3·2	24
155	5·2	165	4·6	190	4·3	185	4·9	185	5·2	160	5·2	155	6·2	155	6·2	150	5·6	145	6·9	150	6·6	150	5·2	3·6	25
130	8·5	130	8·5	130	8·9	130	8·2	130	7·9	130	9·2	130	10·2	135	9·2	140	7·5	145	7·9	140	6·2	130	5·9	**7·8**	26
125	6·2	125	5·9	125	5·2	125	6·2	130	5·6	130	5·9	130	6·2	130	5·2	130	5·2	125	5·9	115	4·9	120	4·9	6·4	27
135	3·0	130	2·6	130	1·6	—	0·3	—	0·7	—	1·0	—	1·0	—	0·7	275	4·3	310	8·9	325	8·9	325	6·9	3·9	28
330	9·8	330	9·8	330	9·5	330	7·9	330	6·9	330	5·2	330	3·9	330	3·9	325	4·3	325	3·9	325	3·0	—	1·3	7·3	29
190	3·0	190	2·3	190	3·0	190	3·6	190	3·6	190	4·6	190	3·0	190	3·3	190	2·6	190	3·3	190	3·0	190	3·3	2·4	30
—	4·6	—	**4·7**	—	4·5	—	4·3	—	4·1	—	3·6	—	3·6	—	3·4	—	3·4	—	3·5	—	3·4	—	**3·1**	3·8	

October, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
215	2·3	190	2·6	190	2·3	190	2·6	—	0·7	190	1·6	190	2·0	190	1·6	190	2·3	190	2·3	190	2·0	190	2·6	1·8	1
260	3·6	265	3·6	255	3·9	270	3·0	280	3·0	270	2·0	265	3·0	255	3·0	255	3·0	245	2·0	245	3·0	—	0·3	2·6	2
—	0·7	220	2·0	—	1·0	190	2·0	—	1·0	—	0·3	—	0·7	—	0·7	—	0·7	—	0·7	190	1·6	190	3·0	1·3	3
135	3·3	130	2·3	120	2·6	130	2·0	—	1·3	—	1·3	130	2·0	—	1·0	—	1·3	—	1·0	—	0·7	120	2·6	3·7	4
105	4·6	115	5·6	110	4·6	105	5·6	110	4·9	100	4·9	95	4·9	90	3·6	90	4·9	95	5·6	95	4·9	100	4·6	3·9	5
125	3·0	145	2·3	175	2·0	175	2·0	175	1·6	175	1·6	175	1·6	175	2·0	—	1·0	—	0·7	—	1·3	—	1·3	2·1	6
—	1·3	295	1·6	295	2·0	300	2·0	—	0·3	—	0·7	—	0·7	—	0·7	—	1·3	—	1·0	—	1·0	—	0·7	1·6	7
—	1·3	—	1·3	300	1·6	—	1·3	—	1·0	—	0·3	—	0·3	—	0·7	—	0·3	—	0·0	—	0·7	—	1·3	**0·8**	8
180	2·3	175	1·6	175	2·0	175	2·0	180	2·0	180	1·6	—	1·3	180	1·6	—	1·3	180	1·6	—	1·0	—	0·7	1·4	9
165	3·3	160	3·6	155	4·3	165	3·3	155	3·6	160	3·9	160	3·3	155	4·6	160	3·6	165	2·6	165	3·3	160	3·3	2·9	10
160	4·9	165	3·3	170	3·6	175	3·6	180	2·6	180	3·3	180	3·3	180	3·6	180	3·0	180	3·6	180	4·3	180	3·9	3·7	11
190	4·6	195	3·6	190	3·6	190	4·3	190	3·3	190	3·0	190	3·3	190	3·6	195	3·6	200	2·6	210	3·9	215	4·6	3·7	12
190	4·6	190	5·6	195	4·3	190	3·6	195	2·6	190	4·6	190	4·6	190	4·3	190	3·0	190	3·3	195	3·6	205	3·6	3·5	13
205	6·9	205	4·6	195	3·0	190	2·3	190	3·0	195	3·3	200	2·3	205	2·3	210	3·0	—	1·0	—	0·7	—	0·7	3·3	14
190	3·0	190	3·6	190	2·6	190	2·3	—	1·3	190	1·6	190	1·6	—	1·0	190	2·0	190	2·0	—	1·3	—	1·0	1·7	15
135	1·6	130	2·0	125	2·0	120	2·3	110	2·3	—	0·7	110	1·6	—	1·3	—	1·0	110	2·0	110	2·0	—	1·3	1·7	16
145	4·6	150	3·9	140	3·9	145	4·3	140	4·3	135	4·9	135	5·6	135	5·9	130	5·9	130	6·2	130	6·6	135	5·6	3·2	17
135	5·9	130	5·9	135	5·2	135	4·9	130	3·6	125	5·9	110	5·2	105	6·2	105	6·6	105	5·9	100	5·9	100	5·9	**5·7**	18
65	5·9	60	6·2	55	5·6	55	3·9	40	3·9	50	5·6	50	4·3	30	3·6	55	6·6	70	5·9	35	3·3	35	3·6	5·1	19
10	2·3	360	3·3	15	3·9	10	4·9	10	4·6	10	3·9	5	4·6	360	3·6	360	4·3	5	3·9	360	4·3	10	3·6	3·5	20
30	4·3	15	3·9	10	3·3	360	3·3	355	3·0	345	3·3	340	3·3	335	3·3	335	3·3	335	3·6	330	3·3	330	3·6	3·8	21
10	3·9	15	3·6	10	3·3	360	3·0	360	2·6	345	3·6	340	3·0	335	2·6	335	3·0	340	3·9	340	2·6	335	2·6	3·8	22
330	4·9	330	4·9	330	4·6	330	4·6	330	3·3	330	3·9	330	3·6	330	4·9	325	4·6	325	4·3	325	4·6	325	4·3	4·2	23
330	3·6	330	3·9	340	3·3	340	3·0	340	2·3	335	3·3	335	3·0	335	2·3	330	3·0	330	3·0	330	3·0	330	3·0	3·3	24
—	1·0	5	2·0	360	1·6	355	1·6	355	1·6	—	1·0	355	1·6	355	1·6	350	2·0	350	2·0	350	1·6	350	2·0	2·5	25
60	3·3	60	3·6	50	2·6	40	2·6	35	2·0	5	2·6	355	2·3	345	3·6	340	3·3	330	3·6	330	3·6	330	3·3	2·6	26
20	6·6	15	5·2	5	4·3	360	4·3	360	3·9	15	5·6	10	5·9	355	3·9	345	3·9	340	3·6	355	4·6	350	3·6	4·4	27
340	3·6	20	3·0	350	2·6	360	3·0	355	3·0	345	3·3	340	3·0	330	3·6	330	3·0	330	3·3	330	3·3	330	2·3	3·4	28
330	3·3	—	1·3	330	2·3	—	1·3	330	1·6	330	3·0	330	2·6	330	1·6	330	2·3	330	2·6	330	3·6	325	2·6	2·7	29
10	3·6	25	3·6	15	2·3	355	3·3	330	2·3	330	2·0	—	1·0	—	1·0	—	1·0	—	1·0	—	1·0	—	1·0	3·1	30
200	3·9	200	3·3	210	4·9	190	2·6	195	3·9	195	5·2	195	6·2	190	6·6	205	5·9	200	5·9	195	6·6	195	7·5	3·3	31
—	3·6	—	3·4	—	3·2	—	3·1	—	2·6	—	3·0	—	3·0	—	2·9	—	3·0	—	2·9	—	3·0	—	2·9	3·0	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North. ($E = 90°$, $S = 180°$, $W = 270°$, $N = 360°$) ; *Speed in metres per second.*

81. Aberdeen : H_a (height of cups of anemograph above M.S.L.) = Heig ht of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	190	7·2	195	8·2	195	6·9	195	6·9	190	6·6	190	6·6	200	5·9	215	5·6	265	2·3	265	1·6	—	0·7	—	1·3
2	305	10·2	310	11·1	270	7·5	275	6·9	275	6·9	280	7·5	280	7·9	280	8·2	270	7·9	280	8·5	280	8·5	280	9·2
3	245	5·9	245	4·9	260	5·6	255	5·2	260	6·2	260	4·9	265	5·6	270	3·6	285	5·9	290	5·9	290	5·9	295	5·2
4	280	5·2	295	6·9	295	5·9	295	6·6	295	6·9	295	5·6	295	7·2	300	4·9	295	5·2	290	5·6	310	6·6	325	8·2
5	270	2·6	270	1·6	270	2·6	275	2·0	265	1·6	—	1·3	260	2·6	—	1·0	—	1·3	—	1·0	235	1·6	225	1·6
6	190	5·9	190	4·9	190	4·9	190	4·3	190	4·3	190	3·9	190	3·6	190	3·6	190	3·0	190	4·9	185	4·6	185	3·3
7	100	4·9	90	4·3	80	3·3	60	2·0	10	2·0	350	2·6	330	4·3	330	4·6	330	4·9	330	4·9	330	4·9	330	4·6
8	—	1·3	295	2·0	295	1·6	295	2·3	295	1·6	295	1·6	—	1·3	—	1·0	—	0·7	—	0·7	—	0·7	—	1·3
9	300	4·6	305	2·6	305	5·9	305	4·3	305	4·9	305	4·9	305	3·9	305	3·3	300	3·3	300	3·0	300	2·3	300	1·6
10	180	7·9	175	7·9	180	9·2	185	7·5	180	7·9	185	7·9	185	8·9	185	6·6	185	5·6	185	5·9	185	4·9	185	4·9
11	330	5·2	330	5·9	330	5·6	330	4·6	330	4·9	330	4·3	330	4·6	330	3·6	330	4·3	330	3·9	330	4·9	330	3·9
12	215	2·0	210	1·6	210	2·0	—	1·3	—	0·7	—	0·7	—	0·7	—	0·7	—	0·7	220	1·6	210	2·0	200	3·3
13	205	4·9	205	4·9	210	5·2	215	3·6	220	4·6	205	4·3	220	4·9	220	3·0	225	2·0	235	2·0	—	1·0	—	0·3
14	—	1·3	—	1·3	210	2·0	225	6·9	220	3·6	200	2·3	195	2·6	195	2·0	215	3·0	215	3·0	225	3·3	235	3·0
15	—	1·3	—	1·3	315	2·0	315	1·6	315	1·6	315	2·0	—	1·3	—	0·7	—	0·7	—	1·0	—	0·7	295	1·6
16	285	3·0	285	3·3	285	2·0	285	1·6	285	2·0	285	1·6	—	1·0	—	1·3	—	0·7	—	1·3	—	0·7	265	2·3
17	285	3·6	290	3·6	290	3·3	290	2·3	290	2·6	290	3·6	290	2·0	290	3·3	290	4·9	290	4·6	290	4·9	295	5·2
18	305	7·5	315	7·9	325	7·2	330	7·5	330	5·6	330	5·9	330	4·6	330	5·6	330	3·9	330	4·9	330	5·6	330	6·9
19	330	3·3	330	1·6	330	5·6	330	4·6	330	4·6	325	2·6	320	2·0	320	1·6	315	3·3	310	4·6	310	5·9	320	5·9
20	325	7·5	325	8·5	325	8·5	325	6·6	325	4·3	325	4·6	330	5·6	330	4·6	315	3·3	310	4·3	310	5·2	310	5·6
21	310	1·6	285	3·0	265	3·0	265	2·6	260	2·0	260	1·6	260	1·6	—	1·3	—	0·7	—	1·3	265	1·6	270	1·6
22	—	0·3	225	2·3	225	2·0	225	2·3	225	3·3	220	3·3	215	3·3	215	2·3	215	3·0	220	2·0	210	3·3	215	2·3
23	220	5·2	210	5·9	215	5·2	200	2·6	205	4·6	215	5·9	220	3·9	275	3·6	315	3·9	285	2·3	275	2·6	275	3·9
24	290	3·9	265	3·3	290	4·9	305	4·9	305	4·9	320	6·9	320	6·2	320	5·2	320	5·6	325	6·2	330	5·2	325	5·2
25	310	2·3	280	2·6	265	2·0	265	2·6	260	2·6	250	3·3	235	3·6	235	2·3	235	3·3	220	2·6	220	2·3	255	4·6
26	325	9·5	335	6·9	350	5·2	335	4·6	340	4·9	335	4·6	340	4·9	335	5·9	350	3·9	330	4·6	330	7·2	330	5·2
27	330	3·6	330	3·6	330	5·2	330	5·2	330	6·2	330	4·9	330	5·9	330	4·9	325	4·9	320	4·9	320	4·9	310	3·0
28	260	3·6	280	6·9	320	8·9	310	9·5	310	10·8	315	12·1	320	10·8	315	10·5	315	10·5	305	10·2	300	10·5	290	9·8
29	320	7·2	320	8·5	320	8·9	320	7·9	320	8·9	320	7·5	320	9·5	320	7·9	320	8·5	320	6·2	320	6·9	320	8·5
30	—.	0·7	240	1·6	235	3·6	235	3·3	230	3·6	230	3·6	230	2·3	230	2·3	225	3·3	215	3·3	215	4·6	205	4·6
Mean ...	—	4·4	—	4·6	—	**4·9**	—	4·5	—	4·5	—	4·4	—	4·4	—	3·8	—	**3·8**	—	3·9	—	4·1	—	4·3

82. Aberdeen : $H_a = 14$ metres + 23 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	205	3·9	205	3·3	215	2·6	—	1·3	—	1·3	280	4·3	280	4·3	285	5·2	300	5·6	305	6·9	325	7·2	330	7·2
2	255	2·3	—	1·3	—	1·0	—	1·0	—	0·7	255	1·6	270	2·0	280	3·6	300	3·6	300	4·3	285	5·6	280	5·6
3	325	2·6	325	2·6	—	1·3	—	1·3	280	3·0	255	3·0	260	2·3	250	5·6	245	4·3	240	3·9	240	3·6	250	2·0
4	250	3·6	—	0·7	—	1·0	—	1·3	235	2·0	235	2·3	235	1·6	235	2·6	235	2·3	225	3·6	225	2·0	215	3·0
5	250	3·3	265	5·9	250	5·2	245	3·3	245	2·6	250	2·6	260	3·0	275	2·3	—	1·0	235	1·6	—	0·7	225	2·6
6	320	10·5	320	11·1	320	8·9	320	10·2	320	8·9	310	7·5	315	8·9	320	9·5	320	9·8	320	12·8	320	10·8	320	11·1
7	290	3·6	285	2·3	265	3·0	260	2·3	250	2·3	250	3·3	255	4·6	265	3·6	265	3·6	300	7·9	325	7·9	325	9·2
8	340	2·3	340	2·0	340	1·6	340	2·3	330	3·0	330	2·3	330	3·3	330	3·0	330	2·6	330	3·0	330	2·3	330	1·6
9	—	1·3	330	1·6	330	2·6	330	3·0	330	2·3	330	3·6	330	4·3	330	3·9	330	4·3	330	5·2	330	4·6	330	4·6
10	330	2·3	330	2·6	330	2·3	330	2·3	330	2·6	330	2·3	330	2·6	330	2·3	330	2·6	330	2·3	330	2·3	320	2·3
11	—	0·7	295	1·6	—	1·3	290	1·6	290	1·6	—	1·0	—	1·3	290	3·0	290	2·3	—	1·3	260	2·0	255	2·0
12	200	2·0	195	3·0	195	1·6	215	4·9	210	3·6	210	3·3	190	3·0	200	4·9	210	4·6	210	3·9	200	3·3	210	4·3
13	210	9·8	210	9·5	210	6·2	210	9·5	205	6·6	205	7·2	210	6·6	210	3·9	220	4·3	220	4·6	225	3·3	220	3·6
14	—	1·0	—	1·3	200	2·3	215	4·3	215	3·9	220	2·3	220	4·6	220	4·3	225	3·3	230	2·6	265	2·6	285	5·9
15	245	2·6	240	3·3	240	2·3	240	2·6	240	2·0	240	2·6	240	2·0	240	3·0	240	2·0	—	1·3	225	2·3	245	3·6
16	295	2·6	295	2·3	295	2·0	295	3·0	295	2·3	295	2·3	295	2·3	295	2·6	295	2·6	295	3·0	295	2·6	295	3·3
17	140	4·3	140	4·9	135	5·6	140	5·6	125	4·9	125	6·2	130	5·9	125	6·6	130	8·2	130	7·5	130	8·5	130	7·9
18	145	9·8	150	8·5	150	8·9	165	8·5	150	7·9	170	6·9	175	7·2	185	6·6	185	6·9	180	8·5	150	8·9	160	7·9
19	190	6·6	185	6·6	180	6·6	160	8·9	175	7·9	180	8·5	190	7·2	185	8·2	185	6·9	160	6·6	165	6·6	175	5·2
20	215	1·6	210	2·0	205	2·6	210	2·0	—	1·0	—	0·7	—	1·3	—	1·3	265	1·6	270	1·6	270	2·6	270	2·3
21	335	4·6	335	3·9	335	5·9	335	6·2	335	6·2	330	5·9	330	5·9	330	4·9	325	5·6	325	3·0	280	2·6	230	1·6
22	190	4·3	190	3·6	190	3·6	190	4·3	200	4·9	200	5·6	200	5·6	195	5·2	205	7·2	195	5·6	190	5·9	190	7·2
23	195	7·9	195	6·6	195	7·9	190	7·2	190	7·9	190	6·9	190	6·6	195	3·6	305	5·2	320	9·5	270	5·6	255	6·9
24	265	3·9	260	4·3	260	4·3	250	4·6	255	3·9	250	2·6	245	3·0	240	1·6	235	2·6	235	2·0	235	2·3	230	2·3
25	220	5·9	210	6·9	200	5·6	195	6·2	200	7·2	195	5·2	195	6·2	195	7·2	195	6·6	195	7·5	195	7·2	195	6·6
26	220	6·2	220	5·6	215	6·6	215	7·5	215	7·5	220	7·2	225	7·9	220	7·5	220	8·5	215	7·2	210	6·6	210	5·6
27	210	3·9	215	5·2	220	6·9	230	4·3	225	6·6	220	5·9	220	3·6	220	2·6	205	2·6	200	3·3	200	4·6	200	3·3
28	205	3·3	210	3·6	205	3·3	205	3·6	205	3·3	205	4·6	210	5·9	220	5·9	220	5·6	220	7·5	215	7·5	220	5·9
29	210	4·3	200	3·3	205	3·6	215	3·6	205	3·6	210	3·3	215	2·6	215	1·6	—	0·3	—	1·0	—	0·7	—	0·3
30	290	2·6	295	3·3	320	3·6	330	3·9	75	6·9	55	8·9	65	7·5	65	9·8	45	6·9	25	6·6	10	4·3	35	7·2
31	330	3·6	330	4·3	330	3·9	335	4·3	330	3·0	330	3·6	330	4·3	330	3·9	330	4·9	330	3·3	330	3·9	330	4·6
Mean ...	—	4·1	—	4·1	—	4·0	—	4·4	—	4·2	—	4·3	—	4·4	—	4·5	—	4·5	—	**4·8**	—	4·5	—	4·7

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

Averages for periods of sixty minutes centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 14 metres + 23 metres.

November, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
270	4·3	295	8·5	320	11·1	315	14·4	310	13·8	310	12·5	310	11·1	310	10·8	300	10·5	310	12·1	290	9·8	305	9·8	**7·8**	1
275	9·2	265	8·9	265	8·5	255	8·5	255	6·6	255	6·6	245	7·5	240	6·6	245	4·9	245	6·2	250	5·2	250	4·3	7·7	2
300	3·3	300	3·9	300	3·9	300	3·9	305	3·0	305	3·0	305	3·6	305	3·6	305	3·6	305	4·6	305	3·6	290	4·3	4·5	3
330	8·5	325	7·2	320	6·6	320	6·6	325	5·6	325	5·2	320	5·2	270	3·0	275	3·3	260	2·3	265	2·6	270	3·0	5·6	4
205	2·0	195	2·6	190	2·0	—	1·0	200	3·0	190	4·6	190	5·2	190	6·2	190	6·2	190	5·6	190	5·6	190	6·2	2·9	5
185	3·6	185	4·3	185	4·6	180	4·6	145	4·3	140	5·6	120	5·2	100	3·0	130	2·6	145	1·6	—	1·0	115	2·3	4·0	6
330	5·2	330	5·2	330	3·3	—	1·3	320	3·0	315	1·6	310	1·6	305	2·3	—	1·3	305	2·0	—	1·3	—	1·3	3·2	7
—	1·3	295	1·6	—	0·3	—	1·0	295	1·6	—	1·3	—	1·3	295	2·3	295	1·6	295	4·9	300	4·6	300	4·3	1·7	8
—	1·0	—	1·0	300	2·0	180	3·6	160	3·9	160	5·6	155	5·6	160	5·6	165	5·9	165	6·9	165	6·9	180	7·2	4·1	9
190	3·3	190	3·9	190	3·6	—	1·3	—	1·3	280	3·3	295	5·2	310	6·6	340	6·9	340	6·9	340	6·6	340	5·6	5·9	10
330	3·0	330	2·3	330	1·6	—	0·7	—	1·0	330	1·6	330	1·6	330	1·6	320	1·6	315	1·6	255	2·0	215	2·0	3·3	11
200	3·6	195	3·9	205	4·6	205	4·3	200	3·9	190	3·3	215	3·0	195	3·0	205	3·0	205	3·6	210	6·6	210	5·9	2·7	12
—	1·3	—	0·7	—	0·3	—	0·3	—	1·3	—	1·0	—	1·3	290	1·6	—	1·3	—	0·7	—	1·0	245	2·6	2·3	13
285	4·3	310	5·9	315	3·9	315	3·3	315	2·3	315	2·3	315	3·9	315	2·0	315	2·0	315	3·0	315	3·3	315	2·6	3·0	14
—	1·0	—	0·7	—	1·0	—	0·7	—	1·0	—	1·3	270	2·0	280	3·0	285	3·0	285	2·3	285	2·3	285	3·0	**1·5**	15
275	2·3	290	3·3	290	3·0	290	6·2	290	3·9	255	2·6	240	3·9	220	1·6	245	3·6	260	4·9	265	3·3	260	3·0	2·6	16
295	4·3	295	4·6	305	4·6	305	2·3	—	1·0	305	3·9	305	4·9	305	4·3	305	3·6	305	5·9	310	8·2	325	7·5	4·0	17
330	6·9	330	5·9	330	4·9	330	3·6	330	3·6	330	3·3	330	3·0	330	3·3	330	2·6	330	3·0	330	3·6	330	3·6	5·1	18
325	4·3	325	7·5	330	5·6	320	3·9	325	5·2	330	4·3	330	4·3	330	6·2	330	6·2	330	5·6	330	6·2	330	7·2	4·6	19
330	6·6	330	6·6	330	5·9	330	4·3	330	4·3	325	3·9	325	4·9	325	3·3	325	2·3	320	1·6	320	1·6	—	1·3	4·9	20
—	1·0	—	1·3	—	1·3	—	1·3	—	1·0	260	1·6	255	2·0	—	1·0	—	1·0	—	1·3	—	1·3	—	1·0	**1·5**	21
210	3·3	210	3·0	210	2·6	200	1·6	—	1·3	195	1·6	205	2·3	230	4·9	235	5·6	240	7·2	230	7·2	225	6·2	3·1	22
265	4·3	270	5·2	275	3·6	260	3·6	255	3·9	260	5·2	290	6·6	320	7·5	320	6·6	325	4·6	320	4·6	300	4·9	4·6	23
325	3·9	325	3·9	325	4·3	330	5·2	325	4·6	330	4·3	330	4·3	330	3·0	330	3·3	320	4·3	320	3·6	320	3·9	4·6	24
270	7·2	265	6·6	255	6·9	260	6·9	265	6·2	255	6·2	265	6·2	280	6·9	305	8·9	310	10·5	320	8·9	320	10·2	5·1	25
340	6·6	330	6·6	335	6·2	330	5·6	330	5·6	335	5·6	330	5·6	335	4·9	330	4·9	330	4·6	330	4·3	330	3·3	5·6	26
285	2·6	250	3·3	240	3·0	260	3·6	270	3·9	290	4·9	280	4·9	275	4·3	255	4·3	250	3·9	245	3·0	240	3·3	4·3	27
295	10·8	285	7·5	265	6·2	265	6·6	275	6·9	265	6·9	275	7·9	270	4·9	285	7·9	320	7·9	320	11·1	320	8·9	8·5	28
320	7·9	320	9·2	320	6·6	320	5·6	305	3·6	280	3·0	280	4·3	280	4·3	270	3·6	255	3·3	250	4·3	245	3·0	6·6	29
205	4·9	200	4·6	205	4·9	200	4·9	210	7·9	210	4·6	210	4·3	210	4·6	210	3·3	225	4·9	215	4·3	210	3·0	3·9	30
—	4·4	—	4·7	—	4·2	—	4·0	—	3·9	—	4·0	—	4·4	—	4·2	—	4·2	—	4·6	—	4·6	—	4·5	4·3	—

December, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
330	6·2	330	6·6	330	5·2	330	3·9	330	3·3	330	4·6	330	6·2	330	3·6	325	2·0	260	1·6	255	2·0	255	1·6	4·2	1
285	5·9	320	6·6	325	4·9	325	4·9	325	5·9	325	4·9	295	3·6	295	3·6	300	4·9	325	4·9	325	3·9	325	2·3	3·7	2
245	3·3	240	2·3	235	2·3	—	0·7	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	275	3·3	265	2·6	250	3·9	2·5	3
200	1·6	210	2·3	235	3·9	230	3·6	235	3·9	240	3·3	220	3·6	250	3·9	250	4·6	260	4·6	260	5·6	265	3·9	2·9	4
190	3·3	195	3·0	200	5·2	220	5·6	265	7·9	300	13·4	320	15·4	320	13·1	320	11·1	320	11·1	320	12·8	320	10·5	6·0	5
320	9·8	325	7·9	325	7·2	330	6·2	330	5·6	330	4·9	330	4·3	325	4·9	325	5·9	330	4·3	325	3·9	315	3·0	8·0	6
325	8·5	330	8·5	335	6·2	340	4·9	340	3·9	350	3·6	330	2·6	335	2·3	360	2·6	355	2·0	350	2·0	340	2·3	4·3	7
330	1·6	—	1·0	330	1·6	330	1·6	330	1·6	330	2·3	330	2·0	330	2·3	330	2·0	330	2·0	330	1·6	330	1·6	2·1	8
330	3·9	330	3·0	330	2·0	330	2·3	330	2·6	330	3·3	330	2·3	330	3·9	330	2·0	330	1·6	330	2·3	330	2·3	3·0	9
300	2·3	295	2·6	295	1·6	—	1·3	295	1·6	295	1·6	—	1·0	—	0·7	—	1·3	—	0·3	—	1·3	—	1·0	1·9	10
250	2·3	240	2·0	—	1·0	—	1·3	220	2·6	220	2·0	220	3·0	220	2·0	210	3·0	200	2·3	205	4·3	210	5·6	2·0	11
205	4·6	210	6·2	215	6·6	205	4·3	190	4·3	190	3·6	190	4·6	200	4·9	210	9·8	215	9·5	215	10·8	215	11·1	5·0	12
230	3·9	240	2·3	225	2·3	—	1·0	—	1·3	—	1·0	—	1·0	—	1·0	195	2·0	205	2·6	195	1·6	—	1·0	4·2	13
300	6·2	305	4·3	295	4·3	295	2·6	270	3·0	260	3·0	250	3·0	250	2·6	250	3·3	250	3·6	250	3·6	250	3·0	3·3	14
290	6·6	300	5·6	300	4·6	300	5·2	295	3·3	295	1·6	295	2·6	295	3·3	295	2·6	295	2·6	295	2·6	295	3·6	3·1	15
295	2·3	295	2·3	295	2·3	295	2·0	295	1·6	—	1·0	150	2·6	135	4·9	130	3·6	140	3·9	140	4·6	145	4·6	2·8	16
130	8·2	130	8·2	130	8·2	135	7·2	135	8·9	135	8·9	135	9·2	135	10·2	135	9·8	140	9·5	140	9·5	140	10·5	**7·6**	17
195	3·3	195	2·6	195	2·3	200	1·6	200	2·3	190	3·9	200	3·9	200	3·0	195	3·9	190	3·9	190	5·2	190	5·2	5·8	18
190	4·3	190	3·6	190	2·3	190	3·3	200	5·6	210	3·9	200	3·3	205	3·6	200	3·9	210	2·0	205	2·3	205	2·0	5·3	19
275	3·0	290	3·0	290	3·3	290	3·0	290	3·0	305	3·0	30	4·6	20	3·9	355	3·3	5	3·3	355	3·9	345	3·6	2·5	20
—	1·3	195	2·6	200	2·3	200	2·3	195	2·3	190	4·9	175	6·6	190	5·6	185	4·6	190	4·6	190	4·6	190	3·6	4·2	21
190	6·9	190	8·2	190	7·5	190	6·9	180	8·9	190	8·2	195	9·2	195	7·9	190	7·9	190	7·9	190	8·9	195	8·2	6·6	22
250	5·6	250	5·6	245	5·2	250	5·9	235	3·3	230	2·3	225	3·6	235	3·6	260	3·9	260	3·3	265	2·3	260	3·3	5·5	23
235	2·3	215	2·3	—	1·3	230	3·3	230	3·9	230	3·9	230	5·2	230	5·2	230	6·2	220	6·2	205	5·2	210	5·2	3·6	24
205	7·2	215	7·5	210	8·9	215	9·5	220	8·2	220	11·5	215	10·8	220	9·5	215	7·5	215	8·2	215	7·2	220	6·6	7·5	25
220	5·6	230	6·6	230	7·2	240	7·5	235	7·2	230	6·2	225	5·6	225	6·6	225	7·5	220	6·2	220	4·3	210	3·9	6·7	26
200	4·3	200	3·3	200	3·0	210	3·0	220	2·0	230	1·6	245	2·0	250	2·0	—	1·3	—	1·3	—	1·3	200	2·6	3·4	27
220	5·2	210	3·3	220	4·6	215	3·6	205	3·3	205	3·0	210	2·6	210	2·0	210	4·3	210	2·6	200	2·3	210	3·9	4·2	28
—	1·0	—	1·3	205	1·6	—	1·3	215	1·6	—	1·3	—	1·0	—	1·0	—	1·0	—	0·7	—	1·3	290	2·0	**1·8**	29
45	9·2	35	8·2	20	6·6	10	5·6	355	4·9	355	4·3	345	4·3	330	4·9	330	4·3	330	4·3	330	3·6	330	3·9	5·6	30
330	5·6	330	3·0	330	4·6	330	3·9	330	3·6	330	3·6	330	5·2	330	5·2	325	4·6	290	3·9	280	2·6	265	3·3	4·0	31
—	4·7	—	4·4	—	4·2	—	**3·8**	—	4·0	—	4·1	—	4·4	—	4·3	—	4·4	—	4·1	—	4·2	—	4·2	4·3	—

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

TEMPERATURE IN THE GROUND AT A DEPTH OF 124 CM. (4 feet)

Readings, in degrees absolute, at 9h., Greenwich Mean Time.

83. Aberdeen. **1922.**

Day.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	78·9	77·6	77·7	78·2	78·9	82·2	83·9	84·7	84·7	83·4	81·7	79·8
2	78·7	77·7	77·7	78·2	79·0	82·4	83·9	84·7	84·6	83·5	81·7	79·8
3	78·6	77·8	77·7	78·1	79·1	82·6	83·9	84·7	84·5	83·6	81·4	79·8
4	78·6	77·8	77·7	78·1	79·2	82·7	83·9	84·8	84·5	83·5	81·2	79·7
5	78·6	77·8	77·8	78·1	79·3	82·8	84·0	84·7	84·4	83·4	81·1	79·7
6	78·5	77·8	77·8	78·0	79·3	82·8	84·0	84·8	84·5	83·4	80·9	79·8
7	78·4	77·7	77·8	78·0	79·3	82·9	84·0	84·8	84·5	83·4	80·6	79·8
8	78·4	77·7	77·8	77·9	79·4	82·9	84·1	84·8	84·6	83·4	80·6	79·8
9	78·4	77·7	77·8	77·9	79·5	83·1	84·1	84·8	84·6	83·3	80·6	79·8
10	78·2	77·6	77·9	77·9	79·8	83·2	84·0	84·8	84·6	83·3	80·5	79·7
11	78·2	77·6	77·8	77·9	79·9	83·3	83·9	84·8	84·5	83·3	80·4	79·7
12	78·2	77·5	77·9	77·9	80·0	83·5	83·9	84·8	84·4	83·3	80·3	79·5
13	78·1	77·6	77·9	77·9	80·1	83·6	83·9	84·8	84·4	83·3	80·3	79·4
14	78·0	77·6	77·9	78·0	80·1	83·7	84·0	84·8	84·3	83·3	80·3	79·4
15	77·9	77·5	78·0	78·1	80·1	83·8	84·1	84·8	84·3	83·3	80·3	79·4
16	77·9	77·5	78·1	78·2	80·1	83·8	84·2	84·7	84·2	83·3	80·3	79·4
17	77·8	77·5	78·2	78·3	80·3	83·8	84·2	84·7	84·2	83·2	80·2	79·4
18	77·8	77·5	78·3	78·3	80·4	83·8	84·3	84·7	84·1	83·2	80·2	79·4
19	77·7	77·5	78·3	78·3	80·5	83·8	84·4	84·7	84·1	83·2	80·1	79·3
20	77·6	77·5	78·4	78·3	80·6	83·8	84·4	84·7	84·0	83·1	80·1	79·2
21	77·5	77·3	78·5	78·3	80·7	83·8	84·4	84·7	83·9	83·1	80·1	79·1
22	77·5	77·3	78·4	78·4	80·9	83·9	84·5	84·8	83·9	83·0	80·1	79·1
23	77·5	77·3	78·3	78·5	81·1	83·9	84·6	84·8	83·8	82·9	80·1	78·9
24	77·5	77·3	78·3	78·5	81·1	83·9	84·6	84·8	83·7	82·8	80·1	78·9
25	77·5	77·3	78·3	78·6	81·3	83·9	84·6	84·8	83·7	82·7	80·1	78·9
26	77·5	77·3	78·3	78·7	81·5	83·9	84·7	84·8	83·6	82·7	80·1	78·9
27	77·5	77·5	78·3	78·7	81·7	83·9	84·7	84·8	83·6	82·6	80·0	78·9
28	77·5	77·5	78·2	78·8	81·8	83·9	84·7	84·7	83·5	82·4	79·9	78·9
29	77·5	—	78·3	78·9	81·9	83·9	84·7	84·7	83·5	82·2	79·8	78·8
30	77·5	—	78·2	78·9	82·0	83·9	84·7	84·7	83·5	82·2	79·8	78·7
31	77·5	—	78·2	—	82·1	—	84·7	84·7	—	82·0	—	78·6
Mean	78·0	77·5	78·1	78·3	80·4	83·4	84·3	84·8	84·2	83·1	80·4	79·3

MINIMUM TEMPERATURE "ON THE GRASS" DURING THE INTERVAL 18H. TO 7H. G.M.T.

Readings, in degrees absolute.

84. Aberdeen. **1922.**

Day.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	73·6	74·7	71·9	67·4	74·7	77·4	74·1	74·7	78·6	79·1	77·4	72·4
2	74·7	**67·4**	69·7	71·9	72·4	78·6	81·3	78·0	83·6	72·4	71·3	74·7
3	70·8	76·3	70·8	70·2	**68·6**	**71·9**	78·0	78·0	81·9	72·4	69·7	78·6
4	69·1	72·4	71·9	70·8	71·9	73·6	79·7	80·2	80·8	81·9	69·1	71·9
5	71·9	71·3	72·4	70·2	75·8	76·9	81·3	75·8	83·6	83·6	**67·4**	78·0
6	73·6	71·9	73·6	66·3	74·7	76·9	81·3	76·3	83·0	76·3	76·9	75·2
7	72·4	73·6	71·3	**65·8**	80·2	75·2	74·7	79·1	74·1	71·9	79·1	75·2
8	71·3	75·8	71·9	70·8	84·1	75·8	74·1	79·7	78·0	76·9	69·7	72·4
9	67·4	73·6	67·4	72·4	72·4	82·4	82·4	75·2	76·3	80·2	71·9	72·4
10	70·8	73·6	73·0	71·3	76·3	79·7	81·3	74·7	71·9	76·3	76·9	69·1
11	73·6	71·3	73·0	73·0	70·8	75·2	79·1	74·1	76·3	78·0	75·2	73·0
12	73·6	71·9	77·4	70·8	72·4	76·3	79·1	**71·9**	75·8	76·3	71·3	69·7
13	66·3	70·8	73·6	75·8	72·4	80·2	82·4	74·1	81·9	79·7	77·4	80·8
14	73·0	70·2	73·6	69·7	73·6	**71·9**	82·4	75·8	83·0	81·3	72·4	75·8
15	73·6	73·0	75·8	76·3	76·9	77·4	78·6	78·6	78·6	75·2	69·7	68·6
16	73·0	75·8	75·2	74·7	79·1	79·7	83·6	81·9	**70·8**	73·6	70·2	67·4
17	69·1	69·1	75·2	71·9	75·8	**71·9**	79·1	83·0	80·8	78·0	76·9	73·0
18	**63·6**	73·0	75·2	74·7	75·2	79·1	78·6	76·9	71·3	78·6	79·1	74·7
19	71·3	70·8	74·7	66·3	75·8	81·3	76·9	76·9	71·9	76·3	75·2	74·7
20	70·8	70·2	71·9	69·7	75·2	76·9	74·7	76·9	80·2	79·7	77·4	69·7
21	70·2	72·4	70·8	72·4	81·3	74·7	84·1	80·2	78·6	77·4	75·8	74·7
22	74·1	71·9	73·0	74·1	83·0	79·7	81·9	80·8	**70·8**	75·2	76·3	76·3
23	76·9	70·2	**66·9**	71·3	71·9	80·2	81·9	82·4	74·1	73·6	71·9	78·6
24	74·1	73·0	73·6	71·3	74·1	79·7	80·8	77·4	81·3	76·3	71·3	72·4
25	71·3	82·4	74·7	75·8	81·3	74·7	75·8	76·3	76·9	73·0	**67·4**	75·2
26	75·2	73·6	73·6	71·3	83·6	79·7	76·9	74·7	82·4	71·3	74·7	73·6
27	74·7	73·0	73·0	75·2	75·2	74·1	75·2	83·0	83·0	71·9	70·2	72·4
28	74·1	71·9	72·4	75·2	72·4	78·6	73·0	75·2	83·0	71·9	78·0	**65·2**
29	75·8	—	73·6	75·2	76·9	74·7	80·2	74·1	79·7	70·2	79·1	68·6
30	77·4	—	72·4	76·3	76·3	75·8	**72·4**	74·7	79·7	70·8	71·9	66·3
31	76·9	—	**66·9**	—	84·1	—	78·6	80·8	—	**66·3**	—	73·0
Mean	72·4	72·7	72·6	71·9	76·1	77·0	78·8	77·5	78·4	75·7	73·7	73·0

NOTES: (1) The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

(2) The minimum "on the grass" refers to the interval from 18h. the previous day to 7h. on the day to which it is entered.

85. Aberdeen. January, 1922.

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.-Cu.	4	...	St.-Cu.	4	...	A.-St.	5	...	St.-Cu.	2	q	—	0	q	—	0	q	bc *a* : bq *p and n* :
2	Cu.-Nb.	1	q	Cu.-Nb.	1	q	Cu.-Nb.	8	q	Cu.-Nb.	2	q	—	0	q	—	0	q	● early, bq to cqp ✳⁰ *a* : p ✳⁰, bq *p and n* :
3	Cu.-Nb.	2	q	Cu.-Nb.	2	q	Cu.-Nb.	10	✳ q	Cu.-Nb.	4	q	Cu.-Nb.	4	q	Cu.-Nb.	5	q	p ✳⁰, bq to o ✳ q *a* : bc, o ✳ *p* : bcqp ✳ *n* :
4	Cu.-Nb.	9	q	Cu.-Nb.	8	q	Cu.-Nb.	2	q	Cu.-Nb.	4	q	Cu.-Nb.	7	q	Cu.-Nb.	7	...	[⊠ 25 mm. [⊠ 75 mm. bcq ✳, bc & op ✳⁰ q *a* : p ✳⁰ q *p and n* :
5	Cu.-Nb.	10	p ✳⁰	St.-Cu.	10	...	Nb.	10	p ✳⁰	Nb.	10	...	St.-Cu.	10	...	Nb.-St.	10	≡⁰	op ✳⁰ *a and p* : o, o ≡⁰ p ✳⁰ *n* : ⊠ 75 mm. [⊠ 30 mm.
6	Nb.	10	●⁰ ≡	Nb.	10	≡	St.	10	≡⁰	St.	10	≡⁰	Nb.	10	●⁰ ≡⁰	Nb.	10	●⁰ ≡⁰	●⁰ ≡ to o ≡⁰ *a* : o ≡⁰ to ●⁰ *p and n* :
7	Nb.	10	≡⁰	False-Ci.	4	≡⁰	St.-Cu.	5	...	A.-St.	4	≡⁰	—	0	≡⁰	Fr.-St.	7	≡⁰	● ≡⁰ to bc ≡ to bc ≡⁰ *a and p* : b ≡⁰ to c ≡⁰ *n* :
8	Nb.	10	●⁰ ≡⁰	St.-Cu.	3	...	St.-Cu.	5	...	St.-Cu.	1	...	St.-Cu.	5	...	—	0	...	●⁰ ≡⁰ to b & bc *a* : b & bc *p and n* : Ψ 19h.-23h.
9	Nb.	10	●⁰ ≡⁰	Nb.	10	●⁰ ≡⁰g	A.-St.	6	≡⁰	St.-Cu.	5	...	Ci.-St.	6	...	—	0	...	●⁰ ≡⁰ to bc ≡⁰ *a* : b & bc *p and n* : Ψ 18h.
10	—	0	...	St.-Cu.	1	...	—	0	...	—	0	...	St.-Cu.	1	q	Cu.-Nb.	1	q	Fine *a and p* : bq, p ●⁰ *n* :
11	Cu.-Nb.	1	q	Cu.-Nb.	3	...	Cu.-Nb.	2	...	Cu.-Nb.	1	...	St.-Cu.	1	...	St.-Cu.	2	...	b to bcq, p ●⁰ & ✳⁰ *a* : bcp ✳⁰ *p* : b *n* : Ψ.
12	A.-St.	2	...	A.-St.	3	...	Ci.-St.	1	...	Ci.-Cu.	3	...	St.-Cu.	3	≡⁰	St.-Cu.	8	≡⁰	bcp ✳⁰, b *a* : b *p* : b ≡⁰ to c ≡⁰ *n* : Ψ.
13	A.-St.	1	≡⁰	St.-Cu.	6	≡⁰	St.	10	≡⁰	St.	10	≡⁰	Nb.	10	✳⁰ ≡⁰	Nb.	10	●⁰ ≡⁰	bc ⌴ ≡⁰, o ≡⁰ *a* : o ≡⁰ *p* : ✳⁰ & ✳⁰ to ●⁰ *n* :
14	St.	10	≡⁰	Nb.	10	p✳⁰≡⁰g	St.-Cu.	10	...	Nb.	10	●⁰	St.-Cu.	10	...	St.-Cu.	10	...	o ≡⁰, ●⁰, p ●⁰, ✳⁰ to o *a* : o ●⁰ *p* : o *n* :
15	A.-St.	10	q	A.-St.	9	q	Cu.	10	q	Nb.	10	p✳⁰ q	Nb.	10	✳⁰ q	Nb.	10	✳ q	oq *a* : oqp ✳⁰ to ✳ q *p and n* :
16	Nb.	10	✳ q	Nb.	10	q	Nb.-Cuf.	10	q	Nb.-Cuf.	10	q	A.-St.	10	q	Nb.-Cuf.	10	p ✳ q	✳² q early to p ✳⁰ & △⁰ *a and p* : op ✳ q *n* :
17	Ci.-St.	8	≡⁰	Nb.-Cuf.	7	≡⁰	St.-Cu.	2	...	St.-Cu.	1	≡⁰	St.-Cu.	3	≡⁰	—	0	≡⁰	p ✳⁰ early to c & bc ≡⁰ *a* : b ≡⁰ *p and n* :
18	A.-St.	6	≡⁰	A.-St.	10	q	Nb.	10	● q	Nb.	10	● q	—	0	≡⁰	St.-Cu.	8	≡⁰	⊠ 35 mm. [*n* : ⊠ 20 mm. bc ≡⁰ to o ✳ q *a* : o ● q to b ≡⁰ *p* : bc & c ≡⁰
19	St.-Cu.	10	q	Nb.-Cuf.	10	p ●⁰ q	Nb.	10	●⁰ ≡⁰	Nb.	10	≡⁰	A.-St.	9	≡⁰	A.-St.	2	≡⁰	op ●⁰ q *a and p* : o ≡⁰ to b ≡⁰ *n* :
20	A.-St.	10	≡⁰	A.-St.	10	≡⁰	A.-St.	9	...	A.-St.	1	...	—	0	≡⁰	—	0	≡⁰	o ≡⁰ *a* : b & b ≡⁰ *p and n* :
21	St.-Cu.	10	q	St.-Cu.	10	q	Nb.	10	● q	Nb.	10	● q	St.	10	...	St.	6	...	oq to o ● q *a and p* : o to b *n* :
22	—	0	≡⁰	Fr.-St.	1	≡⁰	—	0	≡⁰	—	0	≡⁰	St.	10	≡⁰	St.	10	≡⁰	b ≡⁰ *a and p* : b ≡⁰ to o ≡⁰ *n* :
23	St.	10	q	St.-Cu.	10	q	St.-Cu.	10	q	St.-Cuf.	10	q	Nb.	10	q	St.-Cuf.	9	q	Dull and squally throughout.
24	St.-Cu.	10	q	St.-Cu.	10	q	Nb.-Cuf.	10	q	Nb.-Cuf.	10	q	Nb.-Cuf.	10	q	Nb.-Cuf.	10	q	oqp ✳⁰ *a, p and n* :
25	Nb.-Cuf.	10	q	Nb.-Cuf.	10	q	Nb.-Cuf.	10	q	Nb.	10	q	St.	10	q	St.	10	q	oqp ✳⁰ & p ✳⁰ *a and p* : oq *n* : ⊠ 25 mm.
26	Nb.	10	● q	Nb.	10	● q	Nb.	10	● q	Nb.-Cuf.	10	q	Cu.	8	q	St.-Cuf.	7	q	oq ● *a* : p ●⁰ *p* : cq *n* :
27	St.-Cuf.	10	q	St.-Cuf.	10	q	St.-Cuf.	10	q	Nb.-Cuf.	10	p ✳⁰ q	Nb.-Cuf.	10	q	Nb.	10	●	oq *a* : p ✳⁰ to ● *p and n* :
28	St.	10	q	St.	10	q	St.	10	●⁰ q	Nb.	10	●⁰ q	Nb.	10	●⁰	Nb.	10	●⁰	●⁰ early, oq *a* : ●⁰ *p and n* :
29	St.	10	...	St.	10	q	St.	10	q	Nb.	10	●	Nb.	10	●	Nb.	10	●² ≡⁰	o to q *a* : ● to ●⁰ *p* : ●² ≡⁰ *n* :
30	St.	10	≡⁰	St.	10	≡⁰	Nb.	10	●⁰ ≡⁰	Nb.	10	●⁰ ≡⁰	St.	10	≡⁰	St.	10	≡⁰	●² early to o ≡⁰ *a* : ●⁰ & p ● *p* : o ≡⁰ *n* :
31	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	St.	10	≡⁰	St.	9	≡⁰	St.	10	≡⁰	St.	9	≡⁰	● ≡⁰ *a* : c & o ≡⁰ *p and n* :
Mean Cloud Am'nt	—	7·5	—	—	7·5	—	—	7·6	—	—	6·7	—	—	6·7	—	—	6·5	—	

86. Aberdeen. February, 1922.

1	St.-Cu.	10	≡⁰	St.-Cu.	5	≡	St.-Cu.	5	≡	St.-Cu.	2	...	—	0	...	—	0	...	o ≡⁰ to bc ≡ & ≡⁰ *a* ; b *p and n* :
2	Fr.-St.	9	≡⁰	St.-Cu.	7	≡⁰	Nb.	10	●⁰	Nb.	10	●⁰	Nb.	10	●⁰ q	Nb.	10	●⁰ q	c & o ≡⁰ to ●⁰ *a* : ●⁰ q *p and n* :
3	St.	10	q	St.	10	q	Nb.	10	● q	Nb.	10	✳ q	Nb.	10	✳▲ q	Nb.	10	q	●⁰ q, o, ● *a* : ✳ ▲ q *p and n* :
4	Nb.	10	p ▲⁰	Nb.	10	p ✳⁰≡⁰	Nb.	10	p ✳⁰	Nb.	10	...	Nb.	10	p ✳⁰	Nb.	10	p ✳⁰	p ▲⁰, ✳⁰ *a* : p ✳⁰ *p and n* :
5	Nb.	10	p ✳⁰	St.	10	...	St.	10	≡⁰	St.	10	...	St.	10	≡⁰	St.-Cu.	8	≡⁰	p ✳⁰ to o ≡⁰ *a* : o ≡⁰ *p* : c & o ≡⁰ *n* : [⊠ 15 mm.
6	St.	10	≡⁰	St.-Cu.	10	≡⁰	St.	10	≡⁰	St.	10	≡⁰	St.	10	≡⁰	Nb.	10	✳⁰ ≡⁰	c & o ≡⁰ all day ; ✳⁰ *n* :
7	St.-Cu.	8	≡⁰	St.-Cu.	10	≡⁰	St.	10	...	St.	10	≡⁰g	St.	10	≡⁰	St.	10	≡⁰q	c & o ≡⁰ *a* : dull and gloomy *p and n* :
8	St.	10	...	St.-Cu.	9	...	A.-St.	10	...	A.-St.	9	...	A.-St.	9	≡⁰	St.-Cu.	9	...	Dull throughout.
9	A.-St.	10	≡⁰	St.-Cu.	10	...	St.-Cu.	10	≡⁰	St.-Cu.	9	...	A.-Cu.	1	≡	—	0	≡	o & o ≡⁰ *a and p* : o to b ≡ *n* :
10	St.-Cu.	1	≡⁰	St.-Cu.	3	≡⁰	A.-St.	6	...	False-Ci.	3	≡⁰	A.-St.	7	≡⁰	A.-St.	8	≡⁰	b ≡⁰ *a and p* : c ≡⁰ *n* :
11	A.-St.	10	≡⁰	A.-St.	8	≡⁰	Ci.-St.	3	≡⁰	Ci.-Cu.	4	≡⁰	A.-St.	5	≡⁰	A.-St.	8	≡⁰	o ≡⁰ to b ≡⁰ *a* : bc ≡⁰ & c ≡⁰ *p and n* :
12	St.-Cu.	8	≡⁰	St.-Cu.	9	...	Fr.-St.	5	...	St.-Cu.	7	...	St.-Cu.	9	...	St.-Cu.	8	...	c ≡⁰ to bc *a* : c to o *p and n* :
13	A.-St.	2	≡⁰	A.-St.	3	≡⁰	A.-St.	10	...	A.-St.	10	...	St.-Cu.	8	...	St.-Cu.	1	...	b ≡⁰ to o *a* : c & o *p* : b *n* :
14	—	0	...	St.-Cu.	1	...	St.-Cu.	5	...	St.-Cu.	6	...	St.-Cu.	9	≡⁰	St.-Cu.	10	≡⁰	b to bc *a and p* : o ≡⁰ *n* :
15	Nb.	10	●⁰ ≡	Nb.	10	●⁰ ≡⁰	Nb.	10	●⁰≡⁰g	Nb.	10	≡⁰g	Nb.	10	●⁰ ≡⁰	Nb.	10	●⁰ ≡⁰	●⁰, ≡ to ≡⁰, *a* : ●⁰ ≡⁰ *p and n* :
16	Nb.	10	●⁰ ≡⁰	Nb.	10	●⁰ ≡⁰	Nb.	10	●⁰≡⁰	Nb.	10	●⁰ ≡⁰	St.-Cu.	9	...	A.-St.	6	≡⁰	●⁰ ≡⁰ *a and p* : bc ≡⁰ *n* :
17	A.-St.	2	⌴ ≡⁰	A.-St.	7	⌴ ≡⁰	St.	10	≡⁰	Nb.	10	●⁰	Nb.	10	●	Nb.	10	●	b ⌴ ≡⁰ to o ≡⁰ *a* : ● & ●⁰ *p and n* :
18	A.-St.	10	...	Nb.	10	●⁰	Nb.	10	●⁰	Fr.-Nb.	8	...	Cu.-Nb.	1	...	—	0	...	✳ & ●⁰ *a and p* : b *n* :
19	A.-St.	9	...	A.-St.	10	...	Nb.	10	●⁰	Nb.	10	●⁰	Nb.	10	●⁰ ≡⁰	St.-Cu.	9	q	o to ●⁰ *a* : ●⁰ ≡⁰ *p* : oq *n* :
20	St.-Cu.	1	...	St.-Cu.	1	...	False-Ci.	1	...	A.-Cu.	2	...	A.-Cu.	2	...	A.-St.	4	...	Fine.
21	St.	10	...	Nb.	10	●⁰ q	Nb.	10	●⁰ q	Fr.-Nb.	9	...	St.-Cu.	8	...	St.-Cu.	5	...	●⁰ q *a* : p ●⁰ *p* : bcp ✳ ⁰ *n* :
22	Nb.	10	p ●⁰	Fr.-Nb.	8	...	St.-Cu.	2	...	Cu.	1	...	—	0	...	—	0	...	op ●⁰ q to b *a* : b *p and n* :
23	St.-Cu.	3	...	A.-Cu.	1	...	St.-Cu.	6	...	—	0	...	St.-Cu.	3	...	St.-Cu.	4	...	b & bc *a, p and n* :
24	St.	10	...	A.-St.	8	...	St.-Cuf.	8	...	St.-Cuf.	8	...	St.-Cuf.	3	q	St.-Cuf.	6	...	c & o *a and p* : b & bcq *n* :
25	St.-Cu.	10	q	Nb.	10	p ●⁰	St.	10	...	St.	10	...	Fr.-St.	9	...	Nb.	10	●	c & op ●⁰ q *a* : c & o *p* : ● *n* :
26	St.-Cu.	7	...	Fr.-Nb.	9	p ●⁰	Fr.-St.	4	...	Cu.	2	...	St.-Cu.	1	...	St.-Cu.	4	...	c & op ●⁰ *a* : b *p* : bc *n* :
27	St.-Cu.	1	q	St.-Cu.	1	...	Fr.-Cu.	4	q	A.-St.	8	q	Fr.-Nb.	5	...	—	0	...	bq *a* : bc & c, ●⁰ q *p* : b *n* :
28	St.-Cu.	7	...	St.-Cu.	8	...	St.-Cu.	8	...	Cu.	7	...	—	0	...	Fr.-Cu.	1	q	c *a and p* : bq, *n* :
Mean Cloud Am'nt	—	7·4	—	—	7·4	—	—	7·7	—	—	7·3	—	—	6·4	—	—	6·1	—	

G.M.T. 7h. 9h. 13h. 15h. 18h. 21h.

87. Aberdeen. **March, 1922**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.-Cu.	1	...	St.-Cu.	1	...	Cu.	2	...	Cu.	2	...	St.-Cu.	1	...	—	0	...	Fine.
2	St.-Cu.	1	...	—	0	...	Cu.	2	...	Cu.	3	...	St.-Cu.	1	...	A.-St.	4	...	Fine. ♕ 20h.–23h.
3	Nb.-St.	10	≡⁰	Nb.-St.	10	p ●⁰ ≡⁰	A.-St.	7	...	St.-Cu.	9	...	A.-St.	1	...	—	0	...	● early, o ≡⁰ p ●⁰ to c, *a* : c to b *p* : b *n*
4	St.-Cu.	8	...	St.-Cu.	8	...	Cu.	1	v	St.-Cu.	4	...	St.-Cu.	1	...	—	0	...	c to b *a* : b & bc *p and n* : [♕ 21
5	Nb.	10	●	Nb.	10	●	A.-St.	10	...	St.-Cu.	9	...	St.-Cu.	1	...	—	0	...	● *a* : o to b *p* : b *n* :
6	—	0	q	St.-Cuf.	1	q	Fr.-Cu.	2	q	—	0	q	Cu.	1	q	St.	8	...	bq *a and p* : c *n* :
7	St.-Cu.	7	...	St.-Cu.	1	...	Cu.	3	...	Cu.	7	...	St.-Cu.	7	...	St.-Cu.	7	...	●⁰ early, to b *a* : p ●⁰, c *p* : c, *n* :
8	—	0	...	St.-Cu.	1	...	Cu.-Nb.	8	...	Cu.	4	...	Cu.-Nb.	2	...	St.-Cu.	1	...	b, bcp ●⁰, c *a* : bc to b *p and n* :
9	St.-Cu.	1	⌊	St.-Cu.	1	...	Nb.	10	●⁰	Cu.-Nb.	7	q	Cu.-Nb.	7	q	St.-Cu.	8	...	b ⌊ to o ●⁰ *a* : op ✱⁰ to cq *p* : c *n* :
10	St.-Cu.	8	...	St.-Cu.	9	...	Cu.	9	...	Fr.-Cu.	3	...	St.-Cu.	8	...	St.-Cu.	3	...	p ✱⁰, c & o *a* : o to b & bc *p* : c to b *n* :
11	A.-St.	10	...	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	7	...	A.-St.	10	...	o *a* : c *p* : c, b, o *n* :
12	A.-St.	10	...	Nb.	10	●⁰	Nb.	10	●⁰	St.-Cu.	10	...	St.-Cu.	10	...	A.-St.	10	...	●⁰ *a* : ●⁰ to o *p and n* :
13	Ci.	1	...	—	0	≡⁰	—	0	...	—	0	...	St.	7	≡⁰	St.	10	≡⁰	b, ≡⁰ *a* : b *p* : c to o ≡⁰ *n* :
14	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	St.	10	≡⁰ g	St.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	o ≡⁰ g *a and p* : o *n* :
15	St.	8	...	St.-Cu.	7	...	A.-Cu.	8	...	A.-Cu.	9	...	St.-Cu.	9	≡⁰	St.-Cu.	8	≡⁰	c *a* : c & o *p* : ≡⁰ *n* :
16	A.-St.	10	...	Nb.-Cuf.	9	●⁰	St.	10	...	St.	10	...	St.	10	...	St.	10	...	●⁰, o *a* : o *p* : ●⁰ ≡⁰ *n* :
17	Nb.	10	●⁰	Fr.-St.	8	≡⁰	Nb.-St.	9	●⁰	St.-Cuf.	10	...	St.-Cuf.	10	...	St.	10	...	●⁰ *a* : ●⁰ to o *p* : o *n* :
18	St.	10	...	St.	10	...	St.	10	...	St.	10	...	St.	10	...	Nb.-St.	10	●⁰	o *a*, *p and n* : ●⁰ 21h.
19	St.	10	...	St.	10	...	Nb.	10	✱⁰	Nb.	10	p ●⁰	St.-Cu.	9	...	St.-Cu.	10	...	o to ✱⁰ *a* : p ●⁰ *p* : c & o *n* :
20	Cu.-Nb.	4	...	Cu.-Nb.	1	...	Cu.-Nb.	8	...	Cu.-Nb.	3	q	Cu.-Nb.	1	q	Cu.-Nb.	1	...	b & bcp ✱⁰, p ▲ *a*, *p and n* :
21	Cu.-Nb.	2	...	Cu.-Nb.	4	p ✱⁰	Cu.-Nb.	6	...	Cu.-Nb.	6	p ✱⁰	Cu.-Nb.	5	...	Cu.-Nb.	8	...	b & bcp ✱⁰ *a*, *p and n* :
22	Ci.-St.	5	...	Ci.-St.	10	...	Cu.	10	...	Cu.	4	...	St.-Cu.	2	...	St.-Cu.	1	...	bc to o *a* : o to b *p and n* : ⊕ 7h. to 9h.
23	St.-Cu.	1	≡⁰⌊	St.-Cu.	1	...	St.-Cu.	1	...	St.-Cu.	1	...	St.-Cu.	1	...	St.-Cu.	2	...	b ⌊ ≡⁰, b *a* : b *p and n* :
24	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	Nb.	10	●⁰	Nb.	10	p ●⁰	Nb.	10	●⁰	Nb.	10	●⁰	o ≡⁰, ●⁰ *a* : p ●⁰ *p* : ●⁰ *n* :
25	Nb.	10	●⁰	Nb.	10	●⁰	Nb.	10	●⁰	Nb.	10	●⁰	Nb	10	●⁰	Nb.	10	●⁰	●⁰ throughout.
26	Nb.-Cuf.	7	...	Nb.-Cuf.	10	...	Nb.	10	●⁰	Nb.	10	●⁰	Cu.-Nb.	9	...	Nb.	10	●⁰	c, o ●⁰ *a* : ●⁰ *p and n* :
27	Nb.	10	✱	Fr.-Nb.	8	●⁰	Nb.	10	●⁰	Nb.	9	...	Cu.	7	...	Nb.	10	●⁰	✱, ●⁰ *a and p* : ●⁰ *n* :
28	Nb.-Cuf.	10	...	Nb.-Cuf.	10	...	St.-Cu.	7	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	1	...	p ●⁰, c *a* : c to b *p and n* :
29	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	p ●⁰	St.-Cu.	10	...	o *a and p* : p ●⁰ *n* :
30	St.-Cu.	10	...	St.-Cu.	7	...	Nb.-Cuf.	10	...	Nb.-Cuf.	10	...	Cu.-Nb.	7	...	Cu.-Nb.	8	...	c & op ✱⁰, ▲ *a and p* : p ✱⁰ *n* :
31	Nb.	10	✱	Cu.-Nb.	8	...	Cu.-Nb.	8	...	Ci -St.	6	...	Cu.-Nb.	3	...	—	0	...	✱ to c *a* : bc to b *p and n* : ⊕ 15h. ⊠ 50 mm.
Mean Cloud Am'nt	—	6·9	—	—	6·6	—	—	7·4	—	—	6·8	—	—	6·0	—	—	6·1	—	

88. Aberdeen. **April, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	Nb.	10	p ✱⁰	Nb.-Cuf.	10	✱⁰	St.-Cu.	8	...	Cu.-Nb.	5	...	Cu.-Nb.	2	...	Cu.-Nb.	2	...	⌊, p ✱⁰, c *a* : c to b *p and n* :
2	St.-Cu.	1	...	Cu.-Nb.	7	j p⁰	Cu.-Nb.	4	...	Nb.-Cuf.	10	...	St.-Cu.	8	...	Cu.-Nb.	5	...	p ✱⁰ *a* : p ●⁰ *p* : bc *n* :
3	St.-Cu.	1	...	Cu.	2	...	Cu.-Nb.	3	...	Cu.-Nb.	3	...	Cu.-Nb.	2	...	Cu.-Nb.	1	...	p ✱⁰, b, p ▲⁰ *a* : b & bc *p and n* :
4	Cu.-Nb.	1	...	Cu.-Nb.	1	...	Cu.-Nb.	8	...	Cu.-Nb	6	...	Cu -Nb.	3	...	Cu.-Nb.	1	...	p ✱⁰, bcp ▲⁰, c *a* : b & bcp ▲⁰ *p and n* · Ψ :
5	Cu.-Nb.	4	p ✱⁰	Cu.-Nb.	7	p ✱⁰	Cu.-Nb.	8	p ✱⁰	Cu.-Nb.	4	...	Cu.-Nb.	2	...	—	0	...	cp ✱⁰ to b *a and p* : b *n* :
6	A.-Cu.	1	≡⁰⌊	—	0	...	Cu.	4	...	Cu.-Nb.	5	...	St.-Cu.	1	...	St.-Cu.	1	...	b ⌊ ≡⁰ & bc *a* : p ▲⁰ *p* : b *n* :
7	St.-Cu.	1	≡⁰⌊	—	0	≡⁰	St.-Cu.	6	...	St.-Cu.	2	...	St.-Cu.	3	...	St.-Cu.	8	...	b ⌊ ≡⁰ *a* : p ●⁰ *p* : c *n* :
8	St.-Cu.	8	...	Nb.	10	✱	St.-Cu.	10	...	Ci.-St.	7	...	St.-Cu.	7	...	St.-Cu.	8	...	c, o ✱ *a* : c & o *p and n* :
9	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu	4	v	St.-Cu.	2	v	St.-Cu.	1	...	St.-Cu.	1	...	c & o, bcv *a* : bv *p* : b *n* :
10	St.	2	≡⁰	A.-St.	3	≡⁰	Fr.-St.	3	≡⁰	St.-Cu.	7	...	St.	10	≡⁰	St.-Cu.	10	≡⁰	b ≡⁰ *a* : c to o ≡⁰ *p and n* :
11	St.-Cu.	8	≡⁰	St.-Cu.	8	≡⁰	Fr.-St.	4	...	St.-Cuf.	9	...	St.	10	...	St.-Cuf.	8	≡⁰	c ≡⁰, bc *a* : o *p* : c ≡⁰ *n* :
12	St.-Cuf.	7	≡	St.	10	...	Fr.-St.	7	...	St.-Cu.	5	...	St.-Cu.	10	...	St.-Cu.	10	...	c ≡, c & o *a* : bc to o *p* : o *n* :
13	Nb.	10	●⁰	Nb.	10	●⁰	Cu.	10	q	False-Ci.	6	q	Cu.-Nb.	7	...	Ci.-St.	3	...	●⁰, q *a* : bcq, p ●⁰ *p* : b *n* : ⊕ 13h.
14	Ci.-St.	5	≡⁰⌊	Ci.-St.	10	...	A.-St.	10	...	Nb.	10	●⁰	Nb.	10	●	Nb.	10	●² ≡⁰	bc ⌊ ≡⁰ to o *a* : ●⁰, ● *p* : ●² *n* : ⊕ 7h.
15	Nb.	10	●⁰ ≡⁰	Nb.	10	●⁰ ≡⁰	A.-St.	10	...	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	2	...	●⁰ to o *a* : o to c *p* : b *n* :
16	Fr.-Nb.	8	p ●⁰ q	Fr.-Nb.	9	p ●⁰ q	Nb.-Cuf.	9	q	Nb.-Cuf.	9	q	Cu.-Nb.	7	q	Cu.-Nb.	4	...	p ●⁰ q *a*, *p and n* :
17	St.-Cu.	6	...	Cu.-Nb.	8	p ✱⁰ q	Cu.-Nb.	7	...	Cu.-Nb.	7	...	St.-Cu.	8	...	St.-Cu.	9	...	cp ✱⁰ *a* : bc & c *p* : c & o *n* :
18	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	4	...	St.-Cu.	1	...	—	0	...	c & o *a* : b & bc *p and n* :
19	—	0	≡⌊	—	0	...	—	0	...	—	0	...	—	0	...	—	0	...	b ⌊ ≡, b *a* : b *p and n* :
20	A.-Cu.	1	≡	Ci.-St.	6	≡⁰	Fr.-St.	6	...	A.-St.	1	...	Fr.-St.	1	...	Fr.-St.	4	...	b ≡, bc *a* : b & bc *p and n* : ⊕ 8h.
21	Fr.-St.	8	...	Fr.-St.	5	...	St.	10	≡⁰	Fr.-St.	7	≡⁰	St.-Cu.	3	...	St.-Cu.	5	...	c, bc, o ≡⁰ *a* : c ≡⁰ to b *p* : b & bc *n* :
22	St.	10	...	Nb.-St.	10	≡⁰ ●⁰	Nb.	10	●⁰	Nb.	10	●⁰	St.-Cu.	6	...	St.-Cu.	3	≡⁰	●⁰ *a and p* : b *n* :
23	Nb.	10	≡⁰	St.-Cu.	10	...	St.	10	...	St.	10	...	A.-St.	10	●⁰ ≡⁰	Nb.	10	●⁰ ≡⁰	p ●⁰, ≡⁰, o *a* : ●⁰ *p and n* :
24	Ci.-St.	1	...	St.-Cu.	7	...	St.-Cu.	8	...	Cu.-Nb.	6	j p	Cu.-Nb.	8	p ●⁰	Cu.-Nb.	7	...	bc & c *a* : cp ▲ *p* : cp ● *n* :
25	Cu.-Nb.	8	...	Cu.-Nb.	8	p ●⁰	Cu.-Nb.	8	...	A.-St.	5	...	Cu.-Nb.	7	...	Cu.-Nb.	8	...	cp ●⁰ *a*, *p and n* :
26	St.-Cu.	2	...	Nb.-Cuf.	10	p ●⁰	St.-Cu.	10	...	Nb.	10	p ●⁰	Cu.-Nb.	3	...	Cu.-Nb.	5	...	p ● & ●⁰ *a and p* : b & bc *n* :
27	Fr.-Cu.	1	...	Cu.	4	...	Cu.-Nb.	8	p ▲⁰	Cu.-Nb.	8	...	Cu.-Nb.	4	q	Cu.-Nb.	3	q	b & bc, p ▲⁰, p ● *a and p* : bq *n* :
28	Fr.-Nb.	6	...	Nb.-Cuf.	6	...	Cu.	4	q	Cu.	4	q	Cu.	4	q	Nb.	10	p ●⁰	bcq *a and p* : p ●⁰ *n* :
29	Fr.-Nb.	7	...	Nb.	10	●⁰	Cu.-Nb.	7	p ●⁰	Cu.-Nb.	8	p ●⁰	Cu.-Nb.	7	...	Cu.-Nb.	9	...	p ●⁰ *a* : p ● ▲ *p* : c & o *n* :
30	A.-St.	10	...	Nb.-Cuf.	10	...	Nb.-Cuf.	10	●⁰	Cu.-Nb.	8	...	St.-Cu.	7	...	Nb.	10	p ●⁰	p ●⁰, o, ● ▲ *a* : ● ▲ *p* : p ●⁰ *n* :
Mean Cloud Am'nt	—	5·5	—	—	7·0	—	—	7·1	—	—	6·2	—	—	5·3	—	—	5·2	—	
G.M.T.	7h.			9h.			13h.			15h.			18h.			21h.			

89. Aberdeen. **May, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	Fr.-Nb.	8	...	Nb.-Cuf.	10	...	Nb.	10	p ●⁰	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	5	...	c & op ●⁰ *a* : bc & cp ●⁰ *p and n* :
2	Ci.-St.	8	...	St.-Cu.	8	...	Cu.	7	...	St.-Cu.	6	...	Cu.	5	...	St.-Cu.	2	...	p ●⁰, c *a* : bc to b *p and n* : ⊕ 8h.
3	Ci.-St.	1	≡⁰ p	—	0	...	St.-Cu.	9	...	Nb.	10	p ●⁰	St.	10	...	St.-Cu.	1	...	b ≡⁰ ⌓, b, o *a* : p ●⁰ *p* : o to b *n* :
4	St.-Cu.	3	...	Cu.	5	...	Cu.-Nb.	8	...	Fr.-Cu.	4	...	Fr.-Nb.	9	p ●⁰	St.-Cu.	4	...	bcp ●⁰ *a and p* : op ●⁰, bc *n* :
5	St.-Cu.	1	...	Cu.	6	q	Cu.	6	q	Cu.-Nb.	4	q	St.-Cu.	2	...	Ci.-Cu.	1	...	b, bcq *a* : bcp ●⁰ *p* : b *n* : ⋓
6	A.-St.	10	...	St.-Cu.	10	...	St.	10	...	St.-Cu.	8	...	St.-Cu.	6	...	St.-Cu.	8	...	o, p ●⁰, o *a* : c, bc *p* : c *n* :
7	A.-St.	10	...	St.	10	...	Ci.-Cu.	8	...	Cu.	8	q	Cu.	8	...	Cu.	4	...	o to c *a* : cq to bc *p and n* :
8	St.-Cu.	8	...	Cu.	8	...	Ci.-Cu.	4	q	Cu.	7	...	Cu.	4	...	St.-Cu.	5	...	c & bcq *a and p* : bc *n* :
9	Cu.	6	...	St.-Cu.	8	...	St.-Cu.	9	...	St.-Cu.	7	...	St.-Cu.	9	...	St.-Cu.	10	...	cp ●⁰, o *a* : c & o *p* : o *n* :
10	Cu.	8	...	Cu.-Nb.	8	...	Cu.	10	...	St.-Cu.	8	...	St.-Cu.	4	...	A.-St.	4	...	cp ●⁰ *a* : c, bc *p and n* :
11	Cu.	4	...	Cu.	3	...	Cu.	5	...	Cu.	4	...	St. Cu.	4	...	St.-Cu.	2	...	bc *a and p* : b *n* : ⊕ 13h.
12	Cu.-Nb.	9	...	Cu.-Nb.	7	...	Cu.-Nb.	8	...	Cu.-Nb.	8	...	St.-Cu.	7	...	St.-Cu.	8	...	p ✱⁰, o, p ●⁰ ▲⁰, c *a* : cp ●⁰ ▲⁰ *p and n* :
13	A.-St.	10	...	A.-Cu.	8	...	Cu.	10	...	Cu.	9	...	St. Cu.	5	...	St.-Cu.	6	≡⁰	c & o *a and p* : bc, ≡⁰ *n* :
14	Ci.-St.	1	...	Cu.	7	...	Cu.	5	...	St.-Cu.	9	q	St.-Cu.	4	q	Nb.	10	...	b, c, bc *a* : oq, bcq *p* : ●⁰, o *n* :
15	Nb.	10	●⁰	Nb.	10	●	Nb.	10	●	Nb.	10	●	Nb.	10	●	Nb.	10	●⁰	● & ●⁰ *a, p and n* :
16	St.-Cu.	10	≡⁰	Nb.	10	●	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	9	≡⁰	● early, o ≡⁰, ● *a* : c *p* : o ≡⁰ *n* :
17	St.-Cu.	4	≡⁰	Cu.	2	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	10	≡⁰	A.-St.	8	...	bc ≡⁰, b, o *a* : o *p* : o ≡⁰, p ●⁰, c *n* :
18	St.-Cu.	7	...	Cu.	8	...	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	8	...	St.-Cu.	6	...	c *a* : cp ●⁰ *p* : bc *n* :
19	A.-St.	9	...	Ci.-St.	6	...	Cu.	4	...	Cu.	3	...	St.-Cu.	4	q	St.-Cu.	4	...	o to bc *a* : bcp ●⁰, q *p* : bc *n* :
20	Cu.	1	...	Cu.	9	...	Ci.-Cu.	2	...	A.-St.	10	...	Fr.-Nb.	10	...	A.-St.	10	...	b, o, b *a* : op ●⁰ *p and n* : ⊕ 13h.
21	A.-St.	10	...	A.-St.	10	...	Ci.-St.	5	...	Cu.	4	...	Cu.	2	...	Nb.	10	●⁰	o to bc *a* : b & bc *p* : o ●⁰ *n* :
22	Fr.-St.	6	...	Fr.-St.	5	q	Fr.-Cu.	2	q	Cu.	8	q	Cu.	1	...	A.-Cu.	1	...	● < early, bcq, bq *a* : cq, b *p* : b *n* :
23	Ci.-St.	1	...	St.-Cu.	2	...	A.-St.	10	...	St.	10	...	St.	10	≡	St.	10	≡⁰	b to o *a* : o, o ≡ *p* : ≡, ≡⁰ *n* :
24	A.-Cu.	8	...	A.-Cu.	8	...	A.-Cu.	10	...	A.-St.	10	...	A.-St.	10	...	Nb.	10	●⁰	c & o *a* : o *p* : ●⁰ *n* :
25	St.-Cu.	10	...	A.-Cu.	1	...	Ci.-St.	7	...	Ci.-St.	4	...	A.-St.	7	...	A.-St.	9	...	●⁰ early, o, b, c *a* : c & bc *p* : o *n* :
26	St.	10	...	Cu.	8	...	Cu.	4	...	Cu.	3	q	Cu.	1	q	—	0	...	o to bc *a* : b, bcqp ●⁰, bq *p* : b n :
27	Cu.	7	...	St.-Cu.	9	...	Cu.	4	q	Cu.	4	q	Cu.	1	...	Ci.-St.	1	...	c & o *a* : bcq *p* : b *n* :
28	St.-Cu.	10	...	St.-Cu.	8	...	Cu.	2	q	Cu.	1	...	—	0	...	St.-Cu.	2	...	o to bq *a* : b & bc *p and n* :
29	—	0	...	St.	3	...	A.-Cu.	3	...	Cu.	2	...	Fr.-St.	2	...	St.	10	≡	b & bc *a and p* : b to o ≡ *n* :
30	Ci.	1	...	Ci.	5	...	Ci.-St.	4	...	A.-Cu.	5	...	A.-Cu.	4	...	A.-Cu.	7	...	b & bc *a and p* : c *n* :
31	Ci.-Cu.	1	...	—	0	...	—	0	...	—	0	...	Cu.	1	...	—	0	...	Fine throughout.
Mean Cloud Am'nt	—	6·2	—	—	6·5	—	—	6·5	—	—	6·5	—	—	5·6	—	—	5·7	—	

90. Aberdeen. **June, 1922.**

1	St.	10	≡	St.	10	≡⁰	St.	10	≡⁰	St.	10	...	St.	10	...	St.	8	...	≡, ≡⁰ *a* : o *p* : c *n* :
2	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	...	Nb.-St.	10	p ●⁰	St.	10	...	St.-Cu.	2	...	o *a* : p ●⁰ *p* : b *n* :
3	Ci.	1	...	Cu.	3	...	Cu.	4	...	Cu.	7	...	Cu.	7	...	Cu.	3	...	b, bcp ●⁰ *a* : cp ●⁰ *p* : cp ●⁰, b *n* : ⊕ 7h.
4	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	9	...	St.-Cu.	8	...	Fr.-Cu.	3	...	St.-Cu.	7	...	c & o *a and p* : b, cp ●⁰, c *n* :
5	Ci.	3	...	Cu.	4	...	Cu.	6	...	Cu.	9	...	Nb.	10	p ●⁰	St.-Cu.	7	...	bc *a* : op ●⁰ *p* : p ●⁰, c *n* :
6	Ci.-St.	5	...	Cu.	5	...	Cu.	1	...	Ci.-St.	4	...	St.-Cu.	8	...	St.-Cu.	5	...	b & bc *a and p* : bc & c *n* :
7	Ci.-St.	5	...	Ci.	4	...	Ci.	1	...	Ci.	1	...	—	0	...	—	0	...	bc, b *a* : b *p and n* : ⊕ 7h.
8	—	0	≡⁰	—	0	...	Ci.	1	...	Ci.	1	...	Ci.-St.	5	...	Ci.-St.	4	...	≡⁰, b *a* : b & bc *p and n* :
9	St.	10	...	St.	10	...	St.	10	≡⁰	Ci.-Cu.	3	≡⁰	A.-St.	6	...	St. Cu.	10	...	o, p ●⁰, ≡⁰ *a* : b & bc *p* : o *n* :
10	St.-Cu.	10	...	St.-Cu.	10	...	Nb.	10	...	Nb.-Cuf.	10	...	Nb.	10	●	St.-Cu.	8	...	o, p ●⁰ *a* : o, p ●, ● *p* : ●, c *n* :
11	Cu.	1	...	Cu.	4	...	A.-Cu.	4	...	A.-Cu.	3	...	A.-Cu.	2	...	St.-Cu.	8	...	b & bc all day.
12	A.-Cu.	1	...	—	0	...	Cu.	7	...	Cu.	2	...	A.-Cu.	3	...	St.-Cu.	8	...	b to c *a* : b & bc *p* : bc & c, ●⁰ later *n* :
13	Nb.	10	●⁰ q	Nb.	10	p ●⁰ q	Fr.-Cu.	8	q	Cu.	5	q	Fr.-Cu.	3	q	—	0	...	●² early, p ●⁰, cq *a* : b & bcq *p* : b *n* :
14	A.-St.	9	...	A.-St.	9	...	A.-St.	10	...	A.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	Dull throughout.
15	A.-St.	10	...	A.-St.	10	...	Cu.	1	...	St.-Cu.	5	...	St.-Cu.	1	...	St.-Cu.	4	...	o to b *a* : b & bc *p and n* :
16	St.-Cu.	8	...	Cu.	8	...	Cu.	10	...	St.-Cu.	10	...	St.-Cu.	1	q	St.-Cu.	1	...	c, p ●⁰, c *a* : o to bq *p* : b *n* :
17	St.-Cu.	9	...	St.-Cu.	10	...	Cu.-Nb.	10	p ●	Cu.-Nb.	8	p ●	Cu.-Nb.	10	p ●⁰	St.-Cu.	4	...	o, bc *a* : c & op ● *p* : bc & cp ●⁰ *n* :
18	Nb.	10	●⁰	Nb.	10	...	A.-St.	7	...	Nb.-Cuf.	9	p ●⁰	Nb.	10	p ●⁰	St.-Cu.	7	...	●⁰ to c *a* : c & op ●⁰ *p and n* :
19	St.-Cu.	9	...	Cu.	8	...	Cu.	4	...	Fr.-Cu.	2	...	St.-Cu.	1	...	St.-Cu.	4	...	c & o *a* : b & bc *p and n* :
20	Nb.-St.	10	●⁰ ≡⁰	St.-Cu.	10	...	A.-St.	7	q	Cu.	2	...	Fr.-Cu.	2	...	St.-Cu.	1	...	●⁰ ≡⁰, cq *a* : c to b *p* : b *n* :
21	—	0	...	Cu.	4	...	A.-St.	10	...	Cu.	8	...	Cu.-Nb.	10	...	St.-Cu.	7	...	b, cp ●⁰, o *a* : c & op ▲, p ● *p* : cp ● *n* :
22	A.-St.	8	...	A.-St.	8	...	A.-St.	10	...	A.-St.	10	●⁰	St.-Cu.	10	...	St.-Cu.	7	...	p ●⁰ early, c & o *a* ●⁰, o *p* : c & o *n* :
23	Nb.	10	●⁰ ≡⁰	Nb.	10	●⁰ ≡⁰	Fr.-St.	3	...	Fr.-St.	8	...	Nb.-St.	10	p●⁰≡⁰	St.	10	≡⁰	●⁰ ≡⁰ to b *a* : b, c, o *p* : p ●⁰, o ≡⁰ *n* :
24	Cu.	1	...	Cu.	8	...	A.-St.	10	...	A.-St.	5	...	St.-Cu.	4	...	St.-Cu.	2	...	b to o *a* : bc *p* : b *n* : ⊕ 9h. & 11h.
25	St.-Cu.	8	...	St.-Cu.	10	...	Nb.-Cuf.	10	p ●⁰	Nb.-Cuf.	10	●	Nb.-Cuf.	10	●⁰	Nb.	10	●⁰	c & op ●⁰ *a* : ● *p* : ●⁰ *n* :
26	St.-Cuf.	8	...	Cu.	8	...	Nb.-Cuf.	10	●	Nb.-Cuf.	10	p ●²	Nb.	10	●	Fr.-Nb.	10	...	c, o ● *a* : p ● & ●², ● *p* : ● & ●² *n* :
27	Cu.	1	...	Ci.-St.	6	...	Cu.	7	...	Cu.	7	...	Nb.-Cuf.	10	p ●⁰	Nb.	10	●⁰	b & bc *a* : bc & c, op ●⁰ *p* : ●⁰ *n* :
28	St.-Cu.	1	...	Cu.	6	...	Cu.	5	...	Cu.-Nb.	7	...	Cu.	5	j p	—	0	...	p●⁰ early, b & bc *a* : cp ●⁰ *p* : b & bc *n* : T 19h. (distant).
29	Nb.-Cuf.	10	...	Nb.	10	●⁰	Cu.-Nb.	6	q	St.-Cu.	5	...	Cu.	7	q	St.-Cu.	6	...	p ●⁰, o, ●⁰, p ● ▲ *a* : b & bcq *p* : bc *n* :
30	St.-Cu.	6	...	Cu.-Nb.	8	...	Cu.-Nb.	8	...	Nb.	10	●	Nb.	10	...	St.-Cu.	8	...	p ●⁰, p ●² : *a* : ● & ●² *p* : ●⁰, c *n* :
Mean Cloud Am'nt	—	6·5	—	—	7·4	—	—	7·0	—	—	6·6	—	—	6·6	—	—	5·7	—	
G.M.T.	7h.			9h.			13h.			15h.			18h.			21h.			

91. Aberdeen. **July, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.-Cu.	9	...	Nb.	10	● ≡⁰	St.	10	...	Fr.-St.	8	...	Nb.	10	● ≡⁰	Fr.-St.	9	...	o, ● *a* : c & o, ●⁰ *p* : ●, o *n* :
2	Fr.-St.	9	...	St.-Cuf.	7	...	Cu.	2	q	Cu.	5	q	A.-St.	7	...	St.-Cu.	5	...	c & o, p ●⁰ to b *a* : bcq *p* : bc & c *n* :
3	St.-Cu.	9	...	Cu.	7	...	Cu.	6	...	Cu.-Nb.	10	p ●⁰	Cu.	7	...	St.-Cu.	7	...	p ●⁰, o to bc *a* : p ●⁰ *p* : cp ●⁰ *n* :
4	Fr.-St.	9	...	St.-Cu.	10	...	Nb.	10	●⁰	Nb.	10	●² g	St.-Cu.	8	...	St.-Cu.	8	...	c & o, p ●⁰ *a* : ● & ●², ⌈ *p* : c, p ●⁰ *n* :
5	St.-Cu.	10	...	Cu.	8	...	Ci.	7	...	Cu.-Nb.	10	p ● g	Nb.	10	●	Nb.	10	...	c & o *a* : p ●, ●², ● *p* : ●, o *n* : ⊕ 13h.
6	Nb.	10	●	Nb.	10	● q	Nb.	10	●² q	A.-St.	7	q	Nb.-Cuf.	7	q	Nb.-Cuf.	8	q	●, ●² *a* : ●, cq *p* : cq *n* :
7	Ci.	1	...	Cu.	7	...	Cu.-Nb.	8	p ●⁰	Cu.-Nb.	10	●²	Cu.-Nb.	4	j p	Cu.-Nb.	6	...	b, cp ●⁰ *a* : ●, ●², p ●⁰ ▲⁰ *p* : cp ●², bc *n* :
8	—	0	≡⁰	Ci.-St.	3	...	A.-Cu.	7	...	A.-St.	10	...	Nb.	10	●	Nb.	10	●	b ≡⁰ to c *a* : c & o, ● *p* : ● *n* : ⊕ 9h.
9	Nb.	10	●	Nb.	10	●²	Nb.	10	...	Nb.	10	...	Nb.	10	p ●⁰	Nb.-Cuf.	10	...	●² & ● *a* : op ●⁰ *p and n* :
10	St.-Cu.	8	...	Cu.	8	q	Cu.	4	...	Cu.	7	...	Cu.	10	...	St.-Cu.	10	...	●, cq, bc *a* : bc to ● *p* : op ●⁰ *n* :
11	St.	10	...	St.-Cu.	6	...	St.-Cu.	9	...	St.-Cu.	2	...	St.-Cu.	4	...	—	0	...	o, bc, o *a* : o to b & bc *p* : b *n* :
12	St.-Cu.	9	...	St.-Cu.	9	...	St.-Cu.	10	...	A.-St.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	o *a* : p ●⁰ *p* : o *n* :
13	St.	10	...	Nb.-St.	10	≡⁰	St.	10	...	Nb.-St.	10	p ●⁰	Nb.-St.	10	p●⁰≡⁰	Nb.	10	●⁰ ≡⁰	o ≡⁰ p ●⁰ *a, p and n* :
14	Fr.-Nb.	7	p ●⁰	A.-Cu.	9	...	Fr.-Cu.	4	...	Ci.-St.	4	...	Ci.-St.	4	...	Ci.-St.	2	≡⁰	cp ●⁰, o, bc *a* : b & bc *p* : b ≡⁰ *n* : ⊕ 15h.
15	St.	10	...	Cu.	7	...	St.-Cu.	8	...	St.-Cu.	9	...	St.-Cu.	10	...	Nb.	10	●⁰ ≡⁰	c & o *a and p* : o ≡⁰, ●⁰ & ● *n* :
16	A.-St.	10	...	A.-St.	9	...	A.-Cu.	6	...	A.-Cu.	5	...	A.-Cu.	5	...	St.-Cu.	4	...	●⁰ early, o to bc *a* : bc *p and n* : ⊕ 8h.
17	St.-Cu.	8	...	Cu.	9	...	Cu.	10	...	Cu.	10	...	Cu.	9	...	St.-Cuf.	6	...	c & o *a* : o *p* : o to bc *n* :
18	St.	10	...	St.	10	...	St.-Cuf.	8	...	St.-Cuf.	6	...	St.-Cuf.	3	...	St.-Cuf.	9	...	c & o *a* : b & bc *p* : o *n* :
19	St.-Cuf.	10	...	Cu.	9	...	St.-Cu.	7	...	Cu.	8	...	Nb.-Cuf.	9	p ●⁰	Fr.-St.	4	...	c & o *a* : c, op ●⁰ *p* : p ●⁰, bc *n* :
20	A.-St.	10	p●⁰≡⁰	A.-St.	9	p ●⁰	Fr.-Nb.	10	p ●⁰	Fr-Nb.	10	...	St.-Cu.	8	q	Fr.-St.	9	...	≡⁰, p ●⁰ *a and p* : cq & o *n* :
21	St.	10	...	St.-Cu.	10	...	Cu.	7	...	Cu.	6	...	St.-Cu.	3	...	St.-Cu.	2	...	o to bc *a* : bc *p* : b *n* :
22	St.-Cu.	6	...	St.-Cu.	7	...	St.-Cu.	8	...	St.-Cu.	9	...	St.-Cu.	10	...	Nb.	10	●⁰	bc & c *a* : c & o *p* : o, ●⁰ *n* :
23	Fr.-St.	9	...	St.-Cu.	8	...	St.-Cu.	2	...	Ci.-St.	3	...	Ci.-St.	7	...	Fr.-St.	8	...	c & o, bc *a* : b & bc *p* : c & o *n* : ⊕ 18h.
24	Cu.	10	...	Cu.	9	...	Cu.	10	...	Cu.	9	...	St.-Cu.	5	...	St.-Cu.	8	...	c & o *a and p* : bc & c *n* :
25	Nb.-Cuf.	10	...	Cu.	10	...	Cu.	10	...	Cu.	10	...	St.-Cu.	1	...	St.-Cu.	8	...	●⁰ early, o *a and p* : b, bc & c *n* :
26	Fr.-St.	8	≡⁰	A.-St.	10	...	Nb.	10	● ≡⁰	Nb.	10	≡⁰	St.-Cu.	8	...	St.-Cu.	8	...	c ≡⁰ to o, ● ≡⁰ *a* : ● ≡⁰ to c *p* : c *n* :
27	St.-Cu.	1	...	Cu.	4	...	St.-Cu.	8	...	Cu.-Nb.	7	...	Cu.-Nb.	8	j p	St.-Cu.	6	...	b to c *a* : c, p ●⁰ *p* : cp ●, bc *n* :
28	St.-Cu.	4	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	7	...	Cu.	8	...	Cu.	9	...	bc & c *a* : c *p* : c & o *n* : ⊕ 16h. 30*m*.
29	A.-St.	10	p ●⁰	A.-St.	10	...	Fr.-St.	9	...	Fr.-St.	2	...	St.-Cu.	6	...	St.-Cu.	8	...	op ●⁰ *a* : o to b *p* : bc & c *n* :
30	—	0	...	Cu.	1	...	Cu.	6	...	Cu.	6	...	St.-Cu.	7	...	St.-Cu.	9	...	b & bc *a* : bc *p* : c & o *n* :
31	St.-Cu.	3	...	St.-Cu.	9	...	Ci.	6	...	A.-Cu.	7	...	Nb.	10	p ●²	St.-Cu.	2	...	b, op ●, bc *a* : bc *p* ●, ⌈ ●² ▲², cp ●² *p* : p ●² & ●, b *n* :
Mean Cloud Am'nt	—	7·7	—	—	8·2	—	—	7·7	—	—	7·6	—	—	7·4	—	—	7·3	—	

92. Aberdeen. **August, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.-Cu.	7	...	St.-Cu.	7	...	Cu.-Nb.	8	...	Cu.-Nb.	8	p ●	Cu.-Nb.	8	p ●	Cu.-Nb.	8	...	p ●⁰, c & o, p ● & ●² *a* : cp ● *p and n* :
2	St.-Cu.	10	...	St.-Cu.	5	...	Cu.-Nb.	7	p ●	Cu.-Nb.	7	...	Nb.	7	...	Fr.-Nb.	4	p ●⁰	cp ● *a and p* : p ●⁰, bc *n* : [c *n* : ⊕ 13h
3	St.-Cu.	9	...	St.-Cu.	9	...	Nb.	10	p ●²	St.-Cu.	5	...	St.-Cu.	10	...	St.-Cu.	7	...	p ●⁰ early, o, p ●² *a* : p ● & ●². ● *p* : o ●⁰,
4	St.-Cu.	10	...	St.-Cu.	9	...	Nb.	9	●	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	5	...	o, ● & ●² *a* : ●, o *p* : o to bc *n* :
5	St.-Cu.	9	...	St.-Cuf.	8	...	St.-Cu.	10	...	St.-Cu.	7	...	St.-Cu.	6	...	St.-Cu.	7	...	c & o *a* : c *p* : bc, c *n* :
6	St.	10	...	St.	9	...	St.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	Dull throughout.
7	St.	10	...	St.-Cu.	10	...	A.-Cu.	7	...	Fr.-Cu.	6	...	St.-Cu.	7	...	St.-Cu.	10	...	o *a* : bc & c *p* : c, o, p ● later *n* :
8	St.-Cu.	10	...	St.-Cu.	7	q	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	9	...	St.-Cu.	10	...	o, cq, o *a* : o to bc *p* : c & o *n* :
9	St.-Cu.	10	...	St.-Cu.	10	...	Cu.	9	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	o, ●, o *a* : c & o *p* : o *n* :
10	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	9	...	St.-Cu.	7	...	Mainly dull throughout.
11	St.-Cu.	10	...	Cu.	7	...	St.-Cu.	6	...	A.-Cu.	4	...	St.	3	...	St.-Cu.	1	...	op ●⁰, bc *a* : bc *p* : b *n* :
12	St.-Cu.	5	...	A.-St.	8	...	Nb.	10	●⁰ ≡⁰	Nb.	10	● ≡⁰	Nb.	10	≡⁰ g	Fr.-St.	7	≡⁰	bc & c, ●⁰ ≡⁰ *a* : ● ≡⁰ *p* : ● ≡⁰ to c ≡⁰ *n* :
13	St.-Cu.	7	...	St.-Cu.	5	...	Cu.-Nb.	7	p ●⁰	Cu.-Nb.	8	p ●⁰	St.-Cu.	8	p ●⁰	St.-Cu.	3	...	bc & c p ●⁰ *a* : cp ●⁰ *p* : b *n* :
14	St.-Cu.	4	...	Ci.	2	...	Cu.-Nb.	9	p ●⁰	Nb.-Cuf.	9	p ●	St.-Cu.	10	...	St.-Cu.	10	...	bc, c & op ● *a* : op ● *p* : o *n* :
15	St.-Cu.	8	...	Fr.-Cu.	3	...	Cu.	9	...	A.-St.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	c, b, o *a* : o *p* : ●⁰, o *n* :
16	Nb.	10	● ≡⁰	Nb.	10	●⁰ ≡⁰	St.	10	...	St.-Cu.	9	...	A.-St.	10	...	Nb.	10	●	●, o *a* : o *p* : p ● *n* :
17	Nb.	10	● ≡⁰	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	10	...	Cu.-Nb.	8	...	Fr.-Nb.	5	p ●⁰	●, p ●⁰ *a, p and n* :
18	St.-Cu.	7	...	St.-Cu.	8	...	Cu.-Nb.	8	p ●⁰	Cu.	8	...	Cu.	2	...	St.-Cu.	3	...	cp ●⁰ & ● *a and p* : b *n* :
19	St.-Cu.	10	...	St.-Cu.	10	...	Ci.-St.	7	...	Ci.-St.	7	...	St.-Cu.	7	...	A.-Cu.	2	...	c & o, ●⁰ *a* : c *p* : b *n* :
20	A.-Cu.	5	...	A.-Cu.	9	...	Cu.	8	...	Fr.-Cu.	1	...	Ci.-St.	4	...	St.-Cu.	8	...	bc to o *a* : b & bc *p* : bc & c *n* :
21	A.-Cu.	9	...	A.-Cu.	9	...	Ci.	2	...	Ci.	3	...	Ci.-St.	8	...	St.-Cu.	5	...	o to b *a* : b *p* : bc & c *n* :
22	Nb.	10	●	Nb.	10	●	Cu.	9	...	M.-Cu.	10	...	St.-Cu.	10	...	Nb.	10	●	●, *a* : op, ●⁰ *p* : ● *n* :
23	Nb.	10	●⁰	Nb.	10	●⁰	Fr.-Cu.	3	q	Fr.-Cu.	4	q	Cu.	2	...	Fr.-Cu.	2	...	●⁰, bcq *a* : bcq *p* : b & bc *n* :
24	—	0	...	Cu.	8	...	Cu.	10	...	A.-St.	10	...	St.	10	...	Nb.	10	●	b to o *a* : o *p* : ● *n* :
25	Ci.-St.	1	...	Cu.	4	...	Cu.-Nb.	8	p ●⁰	Cu.-Nb.	8	q	St.-Cu.	8	...	St.-Cu.	1	...	●⁰ early, bc *a* : p ●, cq *p* : bc & b *n* :
26	—	0	...	A.-Cu.	1	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	...	b, b to o *a* : o *p* : p ●⁰, o *n* :
27	St.	8	...	St.-Cu.	8	...	A.-Cu.	10	...	A.-St.	9	...	A.-Cu.	4	...	—	0	...	c & o, p ●⁰ *a* : o to bc *p* : b *n* :
28	Ci.	2	≡	Ci.	1	...	Ci.	2	...	Ci.-St.	3	...	St.-Cu.	1	...	Ci.	1	...	b ≡, b *a* : b *p and n* :
29	St.	10	≡⋮	St.	10	≡⋮	Nb.	10	●⁰ ≡⁰	St.-Cuf.	3	...	—	0	...	St.-Cu.	4	≡⁰	b ≡⋮, ≡⁰ ●⁰ *a* : o ≡⁰ to b *p* : bc ≡⁰ *n* :
30	St.-Cu.	1	≡⁰ ⊅	Ci.-Cu.	4	...	St.-Cu.	9	≡⁰	Nb.	10	●⁰ ≡⁰	Nb.	10	●⁰ ≡⁰	Nb.	10	●⁰ ≡⁰	b ≡⁰ ⊅, bc, o ≡⁰ *a* : ●⁰ ≡⁰ *p and n* :
31	St.	10	...	Nb.	10	●⁰ ≡⁰	St.	10	...	Cu.	7	...	Fr.-St.	6	...	—	0	≡⁰ ⊅	●, ≡⁰, o ●⁰ ≡⁰ *a* : c *p* : b ≡⁰ ⊅ *n* :
Mean Cloud Am'nt	—	7·5	—	—	7·4	—	—	8·3	—	—	7·5	—	—	7·3	—	—	6·1	—	
G.M.T.	7h.			9h.			13h.			15h.			18h.			21h.			

93. Aberdeen. — September, 1922.

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.	10	≡⁰	Nb.	10	● ≡⁰	Nb.	10	●⁰	St.-Cu.	10	...	Nb.	10	●⁰	St.	10	...	o ≡⁰, ● & ●⁰ *a* : ●⁰ *p* : ●⁰, o *n* :
2	St.	10	...	St.	10	...	St.-Cuf.	9	...	St.-Cuf.	9	...	St.	10	...	St.	8	p	o *a and p* : c *n* :
3	St.	10	...	St.-Cu.	10	...	Fr.-St.	8	...	St.-Cu.	8	...	St.-Cuf.	7	...	St.	8	...	o, ●⁰, c *a* : c *p and n* :
4	St.	10	...	St.	10	...	St.	8	...	St.-Cu.	8	...	St.-Cu.	8	...	St.	10	...	c & o *a*, *p and n* :
5	St.	10	≡	St.	10	≡	St.	10	≡⁰	St.-Cuf.	1	...	Fr.-St.	7	...	St.-Cu.	6	...	≡ to o ≡⁰ *a* : b & c *p* : c *n* :
6	St.-Cu.	4	...	St.-Cu.	1	...	Cu.	1	...	Ci.	2	...	Ci.	1	...	—	0	...	● early, b & bc *a* : b *p and n* :
7	Ci.-St.	8	≡⁰	A.-Cu.	9	...	Cu.	7	...	Fr.-Cu.	2	...	St.-Cu.	1	...	St.-Cu.	4	...	c ≡⁰, o, bc *a* : c to b *p* : b & bc *n* : ⊕ 7h.
8	St.-Cu.	3	...	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	10	...	Fr.-Cu.	1	...	St.-Cu.	4	...	b to o ●⁰, c & o *a* : c & o *p* : b & bc *n* :
9	St.-Cu.	4	...	St.-Cu.	10	...	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	8	...	Ci.	1	...	bc to o *a* : c *p* : b *n* : Ψ.
10	St.-Cu.	9	...	St.-Cu.	4	...	A.-Cu.	5	...	A.-Cu.	8	...	St.-Cu.	10	...	St.-Cu.	10	≡⁰	o to bc *a* : bc & c *p* : o ≡⁰ *n* :
11	A.-Cu.	9	≡	Ci.-St.	4	...	Ci.-St.	4	...	Ci.-St.	6	...	Ci.	1	...	Ci.-St.	2	...	o ≡, bc *a* : b & bc *p* : b *n* : ⊕ 15h.
12	St.-Cu.	10	p ●⁰	St.-Cu.	10	...	St.	10	...	St.	10	≡⁰	St.	10	...	Nb.	10	●⁰ ≡⁰	p ●⁰, o *a* : o ≡⁰, p ●⁰ *p* : o ●⁰ ≡⁰ *n* :
13	St.-Cu.	5	p ≡⁰	St.-Cu.	9	...	Nb.	10	●⁰	St.	9	...	St.	10	...	St.	10	...	bc ≡⁰ p, ●⁰ *a* : c & o ●⁰ *p* : o *n* :
14	Nb.	10	●⁰	St.-Cu.	10	...	Ci.-St.	8	q	St.	10	q	Fr.-St.	8	q	St.	10	q	p ●⁰ early, c & o ●⁰ *a* : oq *p* : c & oq *n* : ⊕ 13h.
15	Cu.-Nb.	4	p ●⁰ q	Cu.-Nb.	2	q	Cu.-Nb.	7	q	Cu.-Nb.	8	...	Cu.-Nb.	1	...	—	0	...	bcp ●⁰, bq *a* : cq, b *p* : b, ⌴ later *n* :
16	Nb.	10	●⁰ ≡⁰	Nb.	9	●⁰	Cu.-Nb.	9	●⁰	Fr.-St.	7	q	Fr.-St.	8	q	St.-Cu.	1	...	●⁰ ≡⁰, c *a* : ●⁰, cq *p* : b *n* :
17	St.-Cu.	2	...	St.-Cu.	3	...	Cu.-Nb.	5	...	Cu.-Nb.	5	...	Cu.-Nb.	3	...	St.-Cu.	1	...	b & bc, p ● *a* : bcp ● *p* : b & bc *n* :
18	Ci.-St.	2	...	St.-Cu.	8	...	Cu.-Nb.	7	...	Cu.-Nb.	7	...	St.-Cu.	1	...	—	0	≡⁰	b & bc, c *a* : c, b *p* : b ≡⁰ *n* :
19	Nb.	10	● ≡⁰	St.	10	...	A.-St.	10	...	A.-Cu.	6	...	A.-St.	9	...	A.-Cu.	4	q	●, o *a* : o, c, o *p* : bcq *n* :
20	Ci.-Cu.	5	...	St.-Cu.	5	...	St.-Cu.	8	...	St.-Cu.	9	...	Nb.	10	...	St.	10	...	bc *a* : c & o, p ●⁰ *p* : o *n* :
21	St.	10	≡⁰	St.	10	...	St.-Cu.	9	...	Ci.-Cu.	6	...	Ci.	2	...	—	0	p ≡⁰	o ≡⁰, o *a* : b & bc *p* : b ≡⁰ *n* : ⊕ 15h.
22	Ci.-St.	1	⌴	—	0	...	Cu.	9	...	Cu.	6	...	Nb.-Cuf.	9	p ●⁰	St.-Cu.	4	...	b ⌴, bc, o *a* : o, cp ●⁰ *p* : p ●⁰, bc *n* :
23	St.-Cu.	1	...	St.-Cu.	6	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	10	...	St.	10	...	b & bc *a* : o *p and n* :
24	St.	10	...	St.-Cuf.	10	...	Nb.	10	p ●⁰ g	St.	10	...	St.	10	p ●⁰	Fr.-St.	3	≡⁰	o, p ●⁰ *a* : p ●⁰ *p* : p ●⁰, b ≡⁰ *n* :
25	St.	10	...	St.-Cu.	10	≡⁰	St.	10	...	St.	10	...	St.-Cu.	10	...	St.	10	...	o, ≡⁰, o *a* : o *p and n* :
26	St.	10	...	St.	10	...	Nb.	10	●⁰	Nb.	10	p ●⁰	Nb.	10	...	Nb.	10	●²	o, ●⁰ *a* : p ●⁰ *p* : ●⁰, ●² *n* :
27	Nb.	10	●² ≡⁰	Nb.	10	...	Nb.	10	●⁰	Nb.	10	● ≡⁰	St.	10	...	St.	10	...	●², ● *a* : ● ≡⁰ *p* : o *n* :
28	Nb.	10	●⁰	St.	10	...	St.	10	...	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	●⁰, o *a* : ● ≡⁰ *p and n* :
29	Fr.-Nb.	7	p ●⁰	A.-Cu.	7	...	Nb.	10	p ●⁰ q	St.-Cu.	10	q	St.-Cu.	8	...	Nb.	10	●⁰	cp ●⁰ q *a* : oq, p ●⁰ *p* : c, o ●⁰ *n* :
30	St.-Cu.	9	≡⁰	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	...	St.	10	...	Nb.	10	●² ≡⁰	●⁰ early, o ≡⁰, o *a* : o *p* : o, ●² ≡⁰ *n* :
Mean Cloud Am'nt	—	7·4	—	—	7·9	—	—	8·3	—	—	7·8	—	—	7·1	—	—	6·2	—	

94. Aberdeen. — October, 1922.

1	St.-Cu.	3	...	St. Cu.	1	...	Cu.	6	...	Cu.	8	...	A.-St.	7	...	Nb.	10	●⁰	●, b *a* : bc & c *p* : c, o ●⁰ *n* :
2	St.-Cu.	1	p ≡⁰	—	0	...	Cu.	3	...	Cu.	8	...	Ci.-St.	7	...	Ci.-Cu.	1	...	b ≡⁰ p b *a* : bc & cp ●⁰ *p* : b *n* :
3	A.-Cu.	1	p	A.-Cu.	2	...	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	10	≡⁰	Nb.	10	●² ≡⁰	b p, o *a* : c & o ≡⁰ *p* : ●² ≡⁰ *n* :
4	Nb.	10	●	Nb.	10	●⁰	St.	10	≡⁰	St.	10	≡	Fog	10	≡	St.	10	≡⁰	●², ●⁰ ≡⁰ *a* : ≡⁰, ≡ *p* : ≡, ≡⁰ *n* :
5	Nb.	10	●⁰ ≡⁰	Nb.	10	● ≡⁰	Nb.	10	●⁰ ≡⁰	Nb.	10	●⁰ ≡⁰	St.	10	...	St.	10	...	●² & ● ≡⁰ *a* : ●⁰ ≡⁰ *p* : o *n* :
6	Fr.-Cu.	4	...	Fr.-Cu.	2	...	—	0	...	—	0	...	—	0	...	—	0	≡⁰	bc, b *a* : b *p and n* :
7	St.-Cu.	1	p ≡⁰	St.-Cu.	2	≡⁰	Cu.	3	...	Cu.	6	...	St.	10	...	St.	8	...	b ≡⁰ p, b *a* : b & bc, o *p* : c & o *n* :
8	Nb.	10	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	o *a and p* : ≡⁰ *n* :
9	St.	10	≡⁰	St.-Cu.	10	≡⁰	Fr.-St.	8	...	St.	10	...	St.	8	≡⁰	St.	10	≡⁰	●⁰ early, ≡⁰, c *a* : c & o ≡⁰ *p and n* :
10	St.-Cu.	10	...	St.-Cu.	8	≡⁰	St.-Cu.	9	...	St.-Cuf.	7	...	Nb.-Cuf.	10	p ●⁰	St.-Cu.	8	...	c & o ≡⁰, p ●⁰ *a* : c to op ●⁰ *p and n* :
11	St.-Cuf.	10	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	10	...	Ci.-St.	5	...	Ci.-St.	3	...	o *a and p* : b *n* :
12	St.	10	...	St.-Cu.	10	...	Fr.-St.	10	...	Nb.	10	●⁰	St.	10	...	Nb.	10	●	●⁰ early, o, p ●⁰ *a* : ●⁰ *p* : ● *n*
13	Ci.-St.	7	...	Ci.	2	...	A.-St.	4	...	St.-Cu.	10	...	A.-St.	5	...	A.-St.	6	...	●, b & bc *a* : c & o *p* : bc *n* :
14	St.-Cu.	8	...	A.-St.	7	...	St.-Cu.	9	q	St.-Cu.	6	...	St.-Cu.	2	...	—	0	p	c *a* : c to b *p* : b p *n* :
15	—	0	...	—	0	≡⁰	—	0	...	—	0	...	—	0	p ≡⁰	—	0	≡	Fine all day ; ≡⁰ & ≡ *n* :
16	St.	10	...	St.	9	...	Fr.-St.	5	...	Fr.-St.	2	...	St.	10	≡	St.	7	≡⁰	o to bc *a* : b & bc *p* : ≡ to c ≡⁰ *n* :
17	St.-Cuf.	8	...	St.-Cuf.	4	≡⁰	St.-Cuf.	6	...	St.-Cuf.	1	...	St.-Cuf.	4	...	St.-Cuf.	4	...	bc & c ≡⁰ *a* : b & bc *p* : bc *n* :
18	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	4	...	Cu.	7	...	Cu.	3	...	St.-Cuf.	4	...	c & o, p ●⁰ *a* : bc & c *p* : b & bc *n* :
19	St.-Cu.	5	...	St.-Cu.	2	...	Cu.	9	...	Cu.	6	...	Cu.	10	...	St.-Cu.	10	...	b & bc, o *a* : o, bc, o *p* : o *n* :
20	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cuf.	1	...	St.-Cu.	9	...	St.-Cu.	10	...	o, p ●⁰, o *a* : o to b, cp ●⁰ *p* : op ●⁰, o *n* :
21	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	10	...	St.-Cu.	10	...	Mainly dull throughout.
22	St.-Cu.	10	p ●	St.-Cu.	9	...	St.-Cuf.	10	...	St.-Cu.	7	...	St.-Cu.	8	...	St.-Cu.	9	...	p ●, o *a* : c & o *p* : c & op ●⁰ *n* :
23	Nb.-Cuf.	9	p ●	Nb.-Cuf.	8	p ●	St.-Cu.	8	...	St.-Cu.	8	...	Nb.	9	p ●	Fr.-St.	5	...	cp ● *a and p* : p ●, bc *n* :
24	Nb.	9	p ●	St.-Cu.	8	...	Fr.-Nb.	7	p ✱	St.-Cu.	4	...	St.-Cu.	1	...	—	0	...	c & o, p ● & ✱ *a* : bc & c *p* : b *n* :
25	St.-Cu.	1	...	St.-Cu.	1	...	St.-Cu.	2	...	St.-Cu.	6	...	St.-Cu.	10	...	St.-Cu.	6	...	b *a* : b to o *p* : o to b *n* :
26	St.-Cu.	2	...	St.-Cuf.	3	...	Cu.	2	...	Cu.	6	...	Cu.	2	...	—	0	...	b *a* : b & bc *p* : b *n* :
27	Cu.-Nb.	8	...	Cu.	2	...	Cu.-Nb.	2	...	Cu.-Nb.	2	...	Cu.	2	...	Cu.-Nb.	5	...	p ●, cp ●⁰, ✱⁰, b *a* : p ✱ *p* : p ●⁰ ▲⁰, bc *n* :
28	Cu.-Nb.	2	...	St.-Cu.	8	...	Cu.-Nb.	9	p ●⁰	Cu.-Nb.	7	...	St.-Cu.	6	...	St.-Cu.	7	...	p ● & ▲ *a* : p ●⁰, bc *p* : ●⁰, b *n* :
29	—	0	⌴	—	0	...	St.-Cu.	2	...	St.-Cu.	7	...	St.-Cu.	4	...	St.-Cu.	10	...	b ⌴, b *a* : bc & c *p* : o, p ●⁰ later *n* :
30	St.	10	p ●	Nb.-Cuf.	8	p ●⁰	Nb.-Cuf.	8	p ●⁰	Nb.	9	●	Nb.	10	●² ▲²	Nb.	10	● ▲	p ●, & ● ▲ *a* : ●, ●² & ●² ▲² *p* : ●² ▲² *n* :
31	St.-Cu.	5	⌴	St.-Cu.	3	≡⁰	Ci.	2	...	A.-Cu.	7	...	St.-Cu.	10	...	St.-Cu.	10	...	b & bc ⌴, ≡, b *a* : b to c *p* : o *n* :
Mean Cloud Am'nt	—	6·6	—	—	5·7	—	—	6·3	—	—	6·5	—	—	6·8	—	—	6·5	—	
G.M.T.	7h.			9h.			13h.			15h.			18h.			21h.			

95. Aberdeen. **November, 1922**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	Nb.	10	●⁰	Nb.	10	●	Cu.	7	...	St.-Cu.	2	q	Cu.-Nb.	4	q	—	0	q	●⁰, ●², c *a* : p ●, bq *p* : p ●⁰, bq, p ✳ *n* :
2	—	0	...	—	0	q	Cu.-Nb.	1	q	A.-Cu.	3	...	—	0	...	—	0	...	b ⌴, bq *a* : b *p and n* : ⊠ trace.
3	—	0	...	A.-St.	6	...	Nb.	10	●⁰	Nb.	9	...	A.-St.	8	...	A.-Cu.	7	...	b to o, ●⁰ *a* : ● & ✳, c *p* : c *n* :
4	Fr.-Nb.	4	p ✳	Cu.-Nb.	4	...	Cu.-Nb.	9	p ✳ q	Cu.-Nb.	4	...	Cu.-Nb.	4	...	St.-Cu.	1	⌴	p ✳ *a and p* : b, ⌴ *n* : ⊠ 5 mm.
5	Ci.-St.	4	⌴	Ci.	6	≡ ⌴	St.-Cu.	10	...	St.-Cu.	8	...	Nb.	10	●⁰	Nb.	10	●⁰	bc⌴, ≡, o *a* : c & o, ●⁰ *p* : ●⁰ *n* : ⊠ trace.
6	Nb.	10	●⁰	Nb.	10	●⁰ g	Nb.	10	●⁰	Nb.	10	●⁰	Nb.	10	...	Nb.	10	●⁰	●⁰ *a* : ● & ●⁰ *p and n* :
7	St.	10	...	Nb.-St.	10	●⁰	St.-Cu.	9	...	St.-Cu.	7	...	St.-Cu.	2	...	St.-Cu.	2	...	●⁰, o *a* : o to b *p* : b *n* : ⓤ 22h.
8	St.-Cu.	4	...	St.-Cu.	8	≡⁰	A.-St.	8	...	A.-Cu.	8	...	Nb.	10	●⁰	St.-Cu.	2	...	bc, c ≡⁰ *a* : c, o ●⁰ *p* : ●⁰, bc *n* :
9	St.-Cu.	1	⌴	—	0	...	Ci.-St.	4	...	Ci.-St.	7	≡	Ci.-St.	4	...	A.-St.	8	...	b ⌴, b & bc *a* : bc, c ≡ *p* : c *n* : ⊕ 13h.
10	Nb.	10	●⁰ q	Nb.	10	●⁰ q	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Nb.	10	●	St.-Cu.	10	...	●⁰ q, ● ≡⁰ *a* : ● ≡⁰, ●² *p* : ●⁰, o *n* :
11	St.-Cu.	4	...	St.-Cu.	7	...	St.-Cu.	8	...	St.-Cu.	4	...	—	0	≡⁰	—	0	≡⁰	bc & c *a* : b & bc *p* : b ≡⁰ *n* :
12	Ci.	1	...	A.-St.	6	≡	Ci.-St.	4	...	Ci.-St.	6	...	St.-Cu.	1	...	St.-Cu.	1	...	bc ≡ *a* : b & bc *p* : b *n* :
13	St.-Cu.	9	...	St.-Cu.	10	...	A.-St.	9	...	A.-Cu.	8	...	A.-St.	3	≡⁰	—	0	☂ ≡⁰	c, o *a* : c & o, b ≡⁰ *p* : b ≡⁰ *n* :
14	Fr.-St.	3	...	St.-Cu.	7	...	Nb.	10	●⁰	St.-Cu.	9	...	St.	7	...	—	0	...	b, c & o *a* : ●⁰, ✱⁰ *p* : b *n* :
15	St.-Cu.	10	...	St.-Cu.	8	≡	—	0	...	Ci.	2	...	—	0	≡⁰	—	0	≡⁰	o, c ≡, b *a* : b *p* : b ≡⁰ *n* :
16	St.-Cu.	1	⌴	St.-Cu.	1	≡⁰ ⌴	Ci.	2	...	St.-Cu.	8	...	St.-Cu.	6	...	—	0	...	b ⌴, ≡⁰ *a* : b to c *p* : b *n* :
17	Nb.	10	●⁰	St.-Cu.	5	...	St.-Cu.	7	...	St.-Cuf.	6	...	St.-Cuf.	7	...	St.-Cuf.	8	...	●⁰, c & o *a* : bc & c *p* : c *n* :
18	Nb.	10	p ●⁰	Nb.	8	p ●⁰	Cu.	3	...	St.-Cuf.	7	...	St.	2	...	St.	7	...	c p ●⁰ *a* : bc & c *p and n* :
19	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cuf.	3	...	St.-Cuf.	4	...	St.	8	...	Fr.-St.	2	...	c & o, bc *a* : b & bc *p* : b *n* :
20	Fr.-St.	4	...	St.-Cuf.	9	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	bc to o, then dull.
21	St.	10	...	St.-Cuf.	9	...	St.	1	...	St.-Cuf.	2	...	St.	10	...	St.	10	...	o to b *a* : b to o *p* : o *n* :
22	St.	10	...	St.-Cu.	3	...	—	0	...	St.-Cu.	1	...	—	0	≡⁰	—	0	...	o to b *a* : b *p* : b ≡⁰ *n* :
23	St.	10	...	Nb.	10	...	Ci.-St.	10	...	A.-St.	7	...	Nb.	10	●⁰	St.	7	...	o, p ●⁰, bc, o *a* : c & o, p ●⁰ *p* : p ●, c *n*
24	St.-Cu.	2	...	Cu.-Nb.	4	...	Cu.-Nb.	9	...	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	9	...	p ✱ & p ✱⁰ *a* : c & o *p* : o *n* :
25	St.-Cu.	10	...	A.-St.	10	...	A.-St.	10	...	A.-St.	6	q	St.-Cu.	5	...	St.	10	...	o, p ●⁰ *a* : bcq *p* : bc to o *n* :
26	St.-Cu.	10	...	St.-Cu.	10	...	A.-St.	10	...	Cu.-Nb.	9	p ✳	Cu.-Nb.	4	p ✳	Ci.-St.	2	...	o, p ✳⁰ *a* : p ✳ *p* : bcp ✳⁰ *n* : ⓤ 18h.
27	Cu.-Nb.	c	...	St.-Cu.	10	p ●	St.	10	...	Nb.	10	...	St.	10	...	St.-Cu.	10	...	p ✳⁰, p ● *a* : p ✱⁰ *p* : o *n* :
28	St.-Cu.	8	q	St.-Cuf.	10	q	A.-Cu.	4	q	Fr.-St.	8	...	St.	7	...	Ci.-St.	4	...	p ●, c & oq *a* : bc & cq *p* : bc *n* : ⓤ & ⓤ
29	St.-Cu.	10	q	Nb.-St.	10	●⁰ q	Ci.-Cu.	4	q	Fr.-Nb.	4	p ●⁰	St.-Cu.	8	...	St.-Cu.	1	...	oq, ●⁰, bc *a* : bcqp ●⁰ *p* : b *n* : [21h
30	St.-Cu.	1	...	Ci.-Cu.	3	...	St.-Cuf.	8	...	A.-St.	10	p ●⁰ g	St.-Cuf.	1	...	St.-Cu.	2	...	b to c *a* : o p ●⁰, ●, b *p* : b *n* :
Mean Cloud Am'nt	—	6·4	—	—	7·1	—	—	6·7	—	—	6·6	—	—	5·6	—	—	4·4	—	

96. Aberdeen. **December, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.-Cu.	7	...	St.-Cuf.	7	...	St.-Cuf.	6	...	St.-Cu.	3	...	St.-Cu.	9	...	St.-Cu.	2	≡⁰	c *a* : bc & b, o *p* : b ≡⁰ *n* : ⓤ 22h.
2	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	6	...	St.-Cu.	8	...	St.-Cu.	9	...	St.-Cu.	10	...	● early, o *a* : bc & c *p* : c & o *n* :
3	St.-Cu.	9	...	A.-Cu.	8	...	St.-Cu.	2	...	St.-Cu.	5	...	A.-St.	10	...	St.-Cu.	10	...	c & o, b *a* : b & bc, o *p* : o *n* :
4	St.-Cu.	9	...	A.-St.	8	...	A.-St.	6	≡⁰	St.-Cu.	8	...	A.-St.	9	...	St.-Cu.	6	...	o, c ≡⁰, ≡, bc *a* : bc & c *p* : c, o, bc *n* : ⓤ 22h.
5	St.-Cuf.	10	...	Nb.	10	p ●⁰ ≡	St.-Cu.	10	...	Fr.-St.	7	p ●⁰	Nb.	10	●⁰ q	Fr.-Nb.	6	q	o ≡, p ●⁰ *a* : c & op ●⁰ *p* : p ●⁰, bcq *n* :
6	Fr.-Nb.	2	p ●⁰ q	Cu.-Nb.	1	q	Cu.-Nb.	4	q	Fr.-Cu.	2	q	St.-Cu.	2	...	St.-Cu.	6	...	p ●⁰, b & bcq, p ✱⁰ *a* : b & bcq *p* : bc *n* :
7	Nb.	9	...	St.-Cu.	8	...	St.-Cu.	9	...	Nb.	9	p ●⁰	Nb.	10	●⁰	St.	10	...	●⁰ early, p ● c, o *a* : p ●⁰ *p* : ●, o *n* :
8	St.-Cu.	10	...	Ci.-Cu.	5	...	St.-Cu.	2	...	Ci.	2	...	—	0	⌴ ≡⁰	—	0	⌴ ≡⁰	o to b ⌴, b *a* : b, ⌴ ≡⁰ *p* : b ⌴ ≡⁰ *n* :
9	St.-Cu.	9	...	A.-St.	3	...	Ci.	3	...	St.-Cuf.	7	...	—	0	...	—	0	≡⁰	o to b & bc *a* : bc & c *p* : b, ≡⁰ *n* :
10	St.	10	...	St.-Cu.	10	...	St.-Cuf.	9	...	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	...	Mainly dull throughout.
11	St.	10	...	St.	10	...	—	0	...	Ci.-St.	1	≡⁰	—	0	⌴ ≡⁰	St.	8	⌴ ≡⁰	o to b *a* : b ≡⁰, ⌴ *p* : c ≡⁰ ⌴ *n* :
12	St.	10	...	St.-Cu.	10	...	A.-St.	10	...	A.-St.	10	...	Nb.	10	●⁰	St.	10	...	o *a and p* : ●⁰, o *n* :
13	St.-Cu.	2	...	St.-Cu.	4	...	St.-Cu.	8	y	St.-Cu.	8	...	St.-Cu.	8	...	St.	10	≡⁰	b, cy *a and p* : c, o ≡⁰ *n* :
14	A.-Cu.	4	...	St.-Cu.	6	...	A.-St.	9	...	St.-Cu.	6	...	St.-Cu.	2	...	—	0	...	●⁰ early, bc to o *a* : o to b *p* : b *n* :
15	St.-Cu.	10	⌴	St.-Cu.	2	...	St.-Cu.	4	...	St.-Cu.	1	...	Fr.-St.	1	⌴	Fr.-St.	3	⌴	⌴, o, b, ≡ *a* : b & bc *p* : b ⌴ *n* :
16	—	0	⌴	A.-St.	6	⌴	Nb.	10	p ✳ ⌴ ≡	Cu.-Nb.	7	≡⁰	Nb.	10	✱ ≡⁰	Nb.	10	● ≡⁰	b ⌴, o ≡ *a* : p ✱, ≡ ⌴ *p* : o ✱, ● ≡⁰ *n* :
17	St.	7	...	St.-Cu.	9	...	St.-Cu.	6	...	St.-Cu.	9	...	St.	10	...	St.	10	q	c & o *a* : bc, c & o *p* : oq *n* :
18	St.-Cuf.	10	q	Nb.	10	● q	St.-Cuf.	9	...	St.-Cuf.	4	...	Fr.-St.	8	...	Nb.	10	●⁰	● q *a* : o, bc, c *p* : ● *n* :
19	Nb.	10	● q	Nb.	10	●⁰ q	Nb.	10	●⁰	Nb.	9	...	—	0	...	—	0	...	● q *a* : ●⁰, b *p* : b *n* :
20	St.-Cu.	9	⌴ ≡⁰	St.-Cuf.	7	...	A.-St.	10	...	A.-St.	10	...	St.	10	...	Nb.	10	●⁰	c ≡⁰ ⌴, ≡, o *a* : o *p* : ●⁰ *n* :
21	St.-Cu.	8	...	St.-Cuf.	8	...	Ci.-St.	7	...	A.-St.	10	...	Nb.	10	●	Nb.	10	●	●⁰ early, c *a* : c & o, ● *p* : ●², ● *n* :
22	St.-Cu.	1	...	Nb.	9	p ●⁰	Nb.	10	●⁰ q	Nb.	10	q	Nb.	10	● q	Nb.	10	● q	b to op ●⁰ q *a* : ●⁰ q *p* : ● q *n* :
23	St.	10	q	Nb.	10	●⁰ q	A.-St.	9	...	A.-St.	3	...	Ci.	1	...	—	0	...	●⁰ q, ●², o *a* : o to b *p* : b *n* :
24	Ci.	5	⌴	St.-Cu.	7	...	A.-Cu.	4	...	A.-Cu.	7	...	St.-Cu.	10	...	A.-St.	10	...	bc⌴, c, b *a* : b to o *p* : o *n* :
25	Nb.	10	●⁰	Nb.	10	●⁰ g	Fr.-Cu.	8	...	Nb.-Cuf.	6	q	St.-Cu.	9	q	St -Cu.	10	q	●⁰ *a* : cp ●⁰ q *p* : oq *n* :
26	St.-Cu.	4	q	St.-Cu.	8	...	A.-St.	9	...	A.-St.	7	q	St.-Cu.	5	q	—	0	q	bcq, c, o *a* : cq *p* : bq *n* :
27	St.-Cu.	1	...	Cu.	2	≡⁰	St.-Cu.	8	...	St.-Cu.	4	...	St.-Cu.	1	...	—	0	...	b, ≡⁰, c *a* : b *p* : b ≡⁰ *n* :
28	St.	2	⌴	St.-Cu.	3	⌴	A.-St.	3	...	St.	1	...	A.-St.	1	...	A.-St.	8	...	b ⌴, b *a* : b, b ⌴ *p* : c *n* :
29	A.-St.	4	...	St.-Cu.	2	≡⁰	St.-Cu.	7	≡	St.-Cu.	3	≡⁰	St.-Cu.	1	⌴	St.-Cu.	8	⌴	bc, b ≡ *a* : c ≡, b ⌴ *p* : c ⌴ *n* :
30	Nb.	10	● q	Nb.	10	● q	Nb.	10	● q	Nb.	10	q	Nb.	10	●⁰	A.-St.	10	...	● q *a and p* : p ●⁰, o *n* : ⓤ 19 h.–20h.
31	St.-Cu.	2	...	St.-Cu.	3	...	Cu.-Nb.	7	j p	Cu.-Nb.	7	...	St.-Cu.	5	...	—	0	⌴	p ●⁰ early, b *a* : cp ●⁰ *p* : bc, b ⌴ *n* :
Mean Cloud Am'nt	—	6·9	—	—	6·9	—	—	6·9	—	—	6·3	—	—	6·2	—	—	6·4	—	
G.M.T.	7h.			9h.			13h.			15h.			18h.			21h.			

M.O. 259
(Section II.)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1922

Comprising the results obtained from autographic records and eye observations at the observatories at Aberdeen, Eskdalemuir, Cahirciveen (Valencia Observatory), Richmond (Kew Observatory), and Benson.

SECTION II.—ESKDALEMUIR

Published by the authority of the
METEOROLOGICAL COMMITTEE

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1925

SECTION II.

ESKDALEMUIR OBSERVATORY.

Latitude	55° 19 ′ N.
Longitude	3° 12 ′ W.
G.M.T. of Local Mean Noon	12h 13m.

Heights in metres above Sea-Level.

Barometer	237·3
Rain-gauge	242·0
Dines Tube Anemograph	250

Heights in metres above ground.

Thermometer Bulbs	0·9
Sunshine Recorder	1·5
Dines Tube Anemograph	15

INTRODUCTION.

SITE.

Eskdalemuir Observatory, some $3\frac{1}{2}$ miles ($5\frac{1}{2}$ kilometres) north-north-west of Eskdalemuir Parish Church in the county of Dumfries-shire, is situated on a rising shoulder of moorland which is bounded on the east by the road which leads north to Ettrick and Selkirk, on the west by the small Davington Burn, and at the southern extremity by the small hamlet of Davington.

The hillside in the immediate vicinity of the Observatory slopes generally from the north-west to south-east. The mean height above sea level of the Observatory site is about 800 feet (244 metres). Cassock Hill, slightly more than a mile distant to the north-west is 1,205 feet (367 metres), while the bench mark at Davington School $\frac{1}{4}$ mile (0·6 km.) to south-east is 699 feet (213 metres) above M.S.L. To the east the ground slopes fairly rapidly to the valley bottom, the level of the Ettrick road at a point about $\frac{1}{4}$ mile (0·6 km.) east of the Underground Magnet House being 682 feet (208 metres). The River White Esk is rather less than $\frac{1}{2}$ mile (0·8 km.) to the east. Immediately beyond the river, and almost due east of the Observatory, Dumfedling Hill rises to a height of nearly 1,200 feet (366 metres) above M.S.L. Some 4 or 5 miles (8 km.) to the north is a high ridge, following approximately the boundary between Dumfries-shire and Selkirkshire, the highest point of which is Ettrick Pen (north-north-west) 2,200 feet (670 metres) above M.S.L. Rather more than half a mile (0·8 km.) to the west, and beyond Davington Burn, the ground rises to 1,040 feet (317 m.), and reaches nearly 1,200 feet (366 m.) half a mile (0.8 km.) further on. To the south and south-south-east the Observatory commands a view of the White Esk valley as far as Hartmanor, 4 miles ($6\frac{1}{2}$ km.) distant, but the upper slope of Cauldkine Hill, about 10 miles (16 km.) distant, is visible. The surrounding country is bare and wild and there are but few trees to relieve the monotony of the grass covered hills and moorland. A general view of the observatory buildings is shown in Fig. 2.

Within the Observatory grounds the soil is peaty and in most places is more or less boggy at all seasons. Some two feet below the surface a clay-like substance is encountered. The local geological formation is described as " rock of the Tarannon Llandovery series traversed by igneous dykes."

The selection, in the early years of the century, of this isolated site for the Observatory was dictated by the desire to reduce to a minimum the possibility of artificial magnetic disturbance due to electric traction and power circuits, and in this connection it may be noted that there is no town, industrial centre, or point of railway within a radius of 9 miles (14½ km.) from the Observatory.

METEOROLOGY.

The elements dealt with in the following tables are :—Atmospheric pressure, air temperature, humidity, rainfall, sunshine, solar radiation, wind speed and direction and minimum temperature on the grass. There is also a diary of cloud and weather.

Notes on Instruments.

Brief descriptions of the recording instruments and of the methods of tabulating the records with notes on the information contained in the Tables are given in the General Introduction to the Tables. The following particulars, which refer specially to Eskdalemuir, are to be regarded as amplifying the information contained therein. References to full accounts of other instruments used at Eskdalemuir appear below.

Pressure.—The standard mercury barometer, Kew pattern, is situated in a north window embrasure on the ground floor of the main building.

Continuous records of pressure are obtained from :—

(*a*) A photographic mercurial barograph, which is situated in the east room of the Underground Magnet House. This instrument is described on p. 9.

The diurnal range of temperature to which the barometer is exposed is less than 0·05° C. and for 1922 the annual range of temperature was about 4° C. The scale value of the records is 1 millimetre on the paper = 0·85 millibar, while the time scale is 9·1 millimetre on the paper = 1 hour.

(*b*) A Dines float barograph, pen recording, situated in the east room of the Underground Magnet House. Individual records are of 24 hours duration and the scale value is 1 millimetre on the paper = 0·635 millibar, the time scale being 15·2 millimetres on the paper = 1 hour.

(*c*) A Richard barograph, pen recording, which is located on a shelf fixed to the north wall on the first floor of the Main Building. Weekly records are obtained from this instrument.

The records from (*b*) are utilised in the event of the failure of the photographic barograph, while records from (*c*) are used on occasions, of very rare occurrence, when records from both (*a*) and (*b*) are not available.

Temperature.—The photographic thermograph and the standard mercurial thermometers, dry and wet bulb, are situated in a wooden hut, provided with louvred sides and double roof, which is some 200 feet (60 m.) north-north-east of the Main Building. The installation is similar to that described on p. 10 except that a special enclosure is provided inside the hut to accommodate the photographic arrangements.

The scale values of the thermograph records are 1° absolute = 2·79 millimetres and 2·44 millimetres on the paper for the dry and wet bulb records respectively, while the time scale is 1 hour = 9·20 millimetres.

As auxiliary recorders of temperature there are, in the same louvred hut :—

(*a*) A psychrograph, pen recording, which is in effect a bimetallic spiral thermograph with two spirals, one of which is kept dry and the other wet. The records are of 24 hours duration.

(*b*) A bimetallic spiral thermograph of which the record is changed every week. It is described in the *Observer's Handbook*.

Humidity.—In addition to the dry and wet bulb thermograph described above there is a Richard hair hygrograph which is situated in a Stevenson screen about midway between the louvred hut and the Main Building. Until the beginning of

FIG. 2.

ESKDALEMUIR OBSERVATORY.—GENERAL VIEW FROM THE SOUTH-WEST.

The Office Block is the middle one of the three buildings in line; the Superintendent's house is on the left, the Caretaker's house with Assistants' quarters on the right. The two huts in the background are the wooden magnetic huts for "absolute" observations. In front of the right-hand hut is seen the mound of the underground magnetic chamber, with the stonework of the top of the porch.

[To face p. 72

December 1922 weekly records were obtained from this instrument, but subsequently another clock was substituted with the result that the distance on the record corresponding with a stated time was approximately doubled.

Rainfall.—The recording instrument is a Beckley self-registering rain-gauge which is described on p. 10. The time scale of the record is 1 hour = 9·24 millimetres on the paper and the rain scale has a magnification of 3·35.

The conical part of the gauge funnel is surrounded by a cylindrical copper casing lined with asbestos on the inner side and of diameter equal to that of the funnel, viz. 11·27 inches (28·6 cm.). Within the enclosure so formed is a gas jet and a flame of suitable dimensions is maintained, as circumstances dictate, to melt snow which may be collected.

The gauge is surrounded by a circular turf wall or dyke, the top of which is on a level with the rim of the gauge; the external and internal diameters of the dyke being 11·5 feet (3·5 m.) and 7 feet (2 m.) respectively.

A standard 8 inch (20·3 cm.) rain-gauge is situated some 24·5 feet (7.5 m.) to the east of the Beckley gauge and is surrounded by a turf dyke of similar dimensions. Readings of amounts of rain received are made at 7h and 18h G.M.T., and it is usual to adjust the indications of the recording gauge to agree with the readings of the standard check gauge.

Sunshine.—The record of sunshine is obtained from a Campbell-Stokes recorder described on p. 11.

The recorder is fixed on a stone pillar and has a reasonably free exposure, the chief obstacles being hills to east and west. The elevation of hills between 70° and 110° east of south varies from 2½° to 5°, while between 50° and 135° west of south the high ground varies in elevation from 3° to 4·4°, being generally about 3·5°. As sunshine can be recorded when the sun is 3° above the horizon only in the most favourable circumstances, it appears that the loss of record occasioned by the neighbouring high ground is of relatively small extent and is confined mainly to a possible defect of record at the beginning of the day during a few weeks centred about the equinoxes.

Solar Radiation.—Measurements of the intensity of radiation received from the sun by a surface which is normal to the line drawn from the instrument to the sun are effected by means of an Ångström compensating pyrheliometer.* The intensity of radiation is expressed in milliwatts per square centimetre (1 m.w. per sq. cm. = 0·01435 gramme calorie per sq. cm. per minute). Entries in the column headed "Sky" are intended to show the presence or absence of haze, mist or cloud in the direct path of the solar radiation recorded. In addition the value of the function (p/p_0) sec Z, is given in which p is the barometric pressure at the observatory in millibars at the time of the observation, p_0 is 1000 millibars, and Z is the Zenith distance of the sun. This affords a measure of the mass of atmosphere which the solar radiation has had to penetrate before reaching the earth.

Wind.—A Dines tube anemograph, furnished with direction recorder is situated in the Main Building. The vane-head is 15 metres above a tangent plane to the slope of the hillside and approximately 7 metres above the general level of the roof of the building. A description of the velocity recorder will be found on p. 12.

The record of wind direction is obtained on the same chart as that on which the record of velocity is obtained. From 16th June, 1922, onwards, the instrument used for the purpose has been a Munro-Rooker single-pen recorder. In this arrangement the lower end of a long vertical rod, rigidly attached at its upper end to the freely moving vane, is connected to the vertical axle of a short solid brass cylinder which consequently rotates with the vane. In the curved surface of the cylinder is cut a helical channel in which runs a short roller projecting from the side of a pivoted

* For description see *The Observer's Handbook*, 1921, Ed., Meteorological Office, London; *Astrophysical Journal*, Vol. IX, 1899; *Actes de la societe royale des Sciences d'Upsal*, 1893; also *Geophysical Memoirs*, No. 21 (1923), Meteorological Office, London.

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pen arm. The helix forms a nearly complete turn, and the upper and lower ends are connected by a steep cam. As the recording pen reaches the upper North line on the chart it is rapidly forced by the connecting cam to the bottom North line, or conversely if the wind direction is changing from east of north to west of north. Prior to the introduction of the Munro-Rooker recorder a Dines twin-pen recorder was in use.

Apart from the surrounding hills, the exposure of the vane-head is tolerably free in all directions save to the west where at a distance of some 130 feet (40m.) is a rather large building of which the height is somewhat greater than that of the Main Building. With winds from nearly due west the direction records show markedly greater turbulence than with other winds.

Minimum Temperature on the Grass.—The thermometer used for readings of grass minimum temperature is of the spirit type with index; and when exposed, between 18h and 7h G.M.T., is supported at a height of one or two inches (4 cm.) above close-cropped grass a few metres from the louvred hut.

Notes on Results.

Diurnal Variation of Atmospheric Pressure.—The values of the mean diurnal inequalities for the several months are given in Table 110, p. 103. In January, February and, to a less extent, in March, the daily variation was characterised by prominent development of a maximum near midnight. The forenoon maximum was poorly developed in May, June and July.

The results of the harmonic analysis of the monthly and seasonal mean diurnal inequalities for 1922 are given in the accompanying table, along with the corresponding results for the mean inequalities for the period 1911-20. The data for the latter period have been discussed recently by Dr. A. Crichton Mitchell.* In computing the Fourier coefficients for the individual months of 1922 the unit employed was ·01 mb.; while for the seasons and year the inequalities were taken to ·001 mb. and the values of the amplitudes are also given to three decimal places.

Values of c_1 in 1922 were high, especially in winter and in May and July. c_1 for the year is similar to the corresponding quantity for 1915 but the high value for the latter year was apparently due mainly to the effect of the December diurnal variation. The amplitudes of the 12-hour term in May, June and July of 1922 were low. The occurrence near the equinoxes of a phase-reversal in the 8-hour wave is shown by the results for 1922. There is a fairly close resemblance between the seasonal relationships of the 6-hour term coefficients for 1922 and for the period 1911–20.

HARMONIC COEFFICIENTS OF THE DIURNAL INEQUALITY OF ATMOSPHERIC PRESSURE—ESKDALEMUIR.

Values of c_n, α_n in the series $\Sigma c_n \sin(15nt+\alpha_n)$, t being reckoned in hours from midnight, G.M.T.

Month and Season.	c_1		α_1		c_2		α_2		c_3		α_3		c_4		α_4	
	1922.	1911–20.	1922.	1911–20.	1922.	1911–20.	1922.	1911–20.	1922.	1911–20.	1922.	1911–20.	1922.	1911–20.	1922.	1911–20.
	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°
Jan... ..	·61	·094	111	343·2	·25	·235	154	145·2	·12	·125	357	335·7	·04	·046	182	201·1
Feb. ..	·33	·118	107	211·9	·34	·273	116	131·7	·06	·083	2	331·6	·03	·042	72	54·9
Mar. ..	·31	·128	102	182·1	·32	·304	131	138·9	·08	·053	328	325·4	·05	·051	10	11·7
Apr. ..	·14	·205	341	89·1	·27	·299	153	148·4	·05	·022	170	146·7	·06	·045	345	342·9
May.. ..	·31	·225	80	49·5	·17	·270	142	141·0	·09	·075	151	150·5	·03	·035	294	317·3
June ..	·15	·152	111	50·7	·19	·234	144	139·7	·10	·084	143	151·0	·03	·018	226	312·9
July.. ..	·43	·171	97	66·2	·18	·211	129	134·8	·06	·077	146	146·2	·02	·023	13	287·2
Aug. ..	·13	·114	120	111·4	·24	·239	137	141·3	·05	·057	138	147·6	·05	·047	284	318·0
Sept. ..	·20	·121	84	84·5	·29	·313	147	145·2	·04	·012	329	101·1	·02	·050	353	331·9
Oct... ..	·03	·110	180	72·8	·34	·315	155	153·1	·05	·060	348	358·6	·02	·041	8	20·1
Nov. ..	·22	·125	114	180·3	·22	·242	139	161·7	·10	·101	347	359·6	·01	·015	105	133·4
Dec. ..	·30	·137	179	93·9	·26	·213	128	140·5	·10	·124	353	354·6	·05	·067	146	200·0
Year ..	·220	·085	107	87·6	·249	·260	139	143·7	·020	·020	19	32·1	·011	·016	351	329·1
Winter ..	·325	·038	123	162·2	·258	·236	132	144·5	·092	·106	357	345·9	·027	·023	136	176·3
Equinox ..	·115	·108	82	100·7	·299	·306	146	146·4	·031	·021	328	354·8	·036	·044	358	356·1
Summer ..	·249	·153	97	64·0	·196	·238	138	139·4	·074	·074	145	148·9	·027	·030	306	311·5

* "On the Diurnal Variation of Atmospheric Pressure at Eskdalemuir and Castle O'er, Dumfriesshire," by A. Crichton Mitchell, D.Sc., *Quarterly Journal of the Royal Meteorological Society*, Vol. L., No. 210, April, 1924.

ATMOSPHERIC ELECTRICITY.

Notes on the Instruments.

Continuous records of atmospheric electrical potential are obtained by means of an electrograph of the Kelvin water-dropper type.

The water-jet pipe projects from the north wall of the Main Building and the water-jet itself is double, i.e. it consists of two parts issuing from holes one on either side of the nozzle in such a way that the plane of the jet is parallel to the wall and at a distance of 30 centimetres therefrom. A shallow tank within the Building contains the water supply for the jet, the head of water varying from 1·73 metres to 1·59 metres during the day. Although the position of the jet is the best available in conformity with general convenience it is not ideal in view of the proximity of wall corners and of a door which is frequently opened. The insulated tank-and-jet system is connected to the needle of a Dolezalek electrometer, across the quadrants of which is connected a battery consisting of not more than four Weston cadmium cells. A photographic record is obtained of the electrometer deflections, and therefore of the potential at the spraying-points of the water-jet. Zero potential marks are produced on the record by earthing the apparatus for a few minutes three times daily.

Frequent insulation tests of the system are made. For this purpose a Wulf quartz thread electrometer is connected to a convenient point of the system and, the water-jet having been turned off, a charge is given by a Zamboni pile. The drop in potential during four minutes is noted and the quantity $-\frac{d}{dt}(\log_e V)$ is computed, where V is the potential measured in volts, and the unit of time is a minute. If this quantity is less than ·025 the insulation is considered to be satisfactory. It is usual to earth the system immediately after taking the last reading of the Wulf electrometer and to utilise the corresponding photographically recorded deflection of the Dolezalek electrometer to obtain the scale value of the record. Thus, one set of operations, consisting of giving both positive and negative charges to the system, serves as an insulation and a scale test. The scale value is reasonably steady and in reducing the curve readings of a given month the scale value employed is a mean of the several determinations made during the month. During 1922 the monthly scale values ranged from 5·69 to 6·01 volts per millimetre, the mean for the year being 5·84.

In order to convert values of potential at the jet into potential gradient in the open the former are multiplied by a factor, the value of which is obtained in the following manner. The Wulf electrometer is supported within a small pit situated at the centre of a levelled and grass-covered expanse some fifty yards from the main building. From the electrometer a thin metal rod projects vertically upwards through a small hole in the metal-covered lid of the pit and is of such length that a fuse fixed horizontally to the upper end is 1 metre above the surface of the lid which is flush with the level of the surrounding ground. The fuse having been lighted, the observer completely shuts himself within the pit and takes readings of the electrometer at intervals of one minute, the instrument being momentarily earthed immediately after each reading. The voltages corresponding with these readings are taken to represent the atmospheric electric potential at 1 metre above the surface of the ground in the open. From the mean of the readings taken during a period of from ten to twenty minutes and from the corresponding mean jet potential the electrograph factor is deduced. These absolute observations are made on fine days. During 1922 the monthly means of the values of the electrograph factor varied from 6·22 to 6·74. The range of the values and the values themselves were higher than during the three immediately preceding years.

The electrograph curves are read by means of a millimetre scale, the assigned hourly values being the estimated means for the 60-minute periods centering at exact hours G.M.T. The estimate of the mean curve ordinate is made to 0·1 millimetre, which, during 1922, was equivalent to about 0·6 volts at the jet, or to about 3·7 volts

in potential gradient per metre in the open. The readings of curve ordinates for a given month are converted directly into volts per metre in the open by multiplying by the product of the monthly scale value and the monthly electrograph factor.

As far as possible, values are assigned for 3h, 9h, 15h and 21h G.M.T. on all days, while values for all hours are assigned on days classified as 0*a*, 1*a* or 2*a*. The explanation of these symbols is as follows :—

0, denotes a day during which from midnight to midnight no negative potential was recorded.

1, denotes one or more excursions of limited duration to the negative side of the scale during the same period.

2, denotes negative potential extending in the aggregate over three hours or more during the same period.

a, denotes that within the 25 periods of 60 minutes for which an estimate of the mean potential gradient has to be made in the process of tabulation there was in no case a range of potential gradient in the open exceeding 1,000 volts.

Notes on the Tables and Results.

Table 194 contains the values of electrical potential gradient at 3h, 9h, 15h and 21h G.M.T. daily, and the monthly means of the values for these hours. The reduction factors used in converting the curve ordinates to volts per metre in the open are also given.

In Table 195 are given, for 0*a* days, (1) the monthly, seasonal and annual inequalities, (2) particulars of the number of days and of the non-cyclic changes and (3) the corresponding mean values. The seasonal and annual inequalities or means are the means of the appropriate monthly inequalities or means respectively. Thus the inequality or mean derived from the 4 days of March is given the same weight as the inequality or mean derived from the 12 days of November.

It should be noted that, in these tables, *Winter* denotes the four months January, February, November, December; *Equinox* the four months March, April, September, October; and *Summer* the four months May to August.

Corresponding data for 1*a* and 2*a* days combined appear in Table 196.

Remarks on the Inequalities and Means for 0*a Days*, 1922.

The mean potential gradient for the year is practically identical with the mean of the years 1911–21. The means for the summer and equinox exceed the corresponding normals by about 5 per cent., whilst the winter mean is between 5 and 6 per cent. below normal. The departures of the monthly means for the corresponding normals are irregular and range from an excess of 31 per cent. to a defect of 26 per cent. in October and November respectively.

A minimum in the early morning (3h–5h), a maximum in the evening (18h–21h), and a secondary maximum about 10h are the principal features of the normal daily variation in winter at Eskdalemuir. The evening maximum is also an outstanding feature of the variation in the other seasons, but it occurs somewhat later in summer than in equinoctial, and in equinoctial than in winter months. The summer and equinoctial normal variations are alike in that a pronounced minimum occurs about noon or in the early afternoon hours. The minimum of the early hours of the day, which is so conspicuous a feature of the winter variation, is only slightly developed in equinoctial and is almost imperceptible in summer months. In equinox a small secondary maximum occurs about 8h, whilst in summer there is only a slight development of this phenomenon.

The daily variation for winter 1922 resembles closely the normal type for that season, although the range is somewhat above normal. In the inequalities for January, November and December, the early morning minimum and the evening maximum are distinctly shown, but the variation for February is abnormal in that there are morning and evening maxima of about equal development, and minima

shortly after midnight and about noon. Unusually high values of the potential gradient between 3h and 8h on one, and between 7h and 9h on another, of the seven 0*a* days are largely responsible for this abnormal variation in February. The effect of the February abnormality on the seasonal variation is shown by a steeper rise than usual from the early morning minimum. The inequalities for the other seasons of 1922 bear a close resemblance to the corresponding normals, although the range in equinox is well in excess of the normal, and in that season the minimum of the early hours and the forenoon maximum are more prominent than usual. The inequality ranges for March and October are high, and in the latter month the early minimum and forenoon maximum are well developed, as also is the forenoon maximum in April. The annual inequality is regular but the forenoon secondary maximum is more conspicuous than usual, and this is largely due to the February, April and October contributions.

TERRESTRIAL MAGNETISM.

Notes on the Instruments.

The magnetographs[1] now in use are situated in the east chamber of the Underground Magnet House and are arranged so as to record changes of the three geographical components of terrestrial magnetic force, viz., the north component, N (or + X), west component, W (or — Y), and the vertically downward component, V (or + Z).

The instruments for the north and west components are of the Adie bifilar type, in which torsion of the bifilar suspension, of fine tungsten-steel wire, is utilised to bring the magnets into an azimuth approximately perpendicular to the directions of the components whose changes they respectively record. In each of these instruments the magnet is about 13·8 cm. in length and is suspended within a copper shell, or frame, of suitable dimensions to ensure that the movements of the magnet are sufficiently damped. To the magnet is rigidly attached a semi-circular plane mirror, immediately beneath which is a fixed mirror of similar form and dimensions. Each magnet and mirror system is contained within a brass cylindrical case, cemented on to a pier and surmounted by a tall bell-jar shaped cover of glass. Light from a brightly illuminated slit passes through a collimator, is incident upon the two mirrors and after reflection passes along a wooden channel and thence, through a horizontal hemi-cylindrical lens, to photographic paper wound on a clock-driven cylinder. The hemi-cylindrical lens is set in the side of the case containing the recording drums, and matters are so arranged that the beams of light reflected from the two mirrors are brought to a focus at the lens which condenses the two vertical images to two sharply focussed dots on the paper. Hence the record obtained consists of two traces, the one straight and known as the base-line, the other curved and representing the angular movements of the suspended magnet, and, therefore, the changes in the component of terrestrial magnetic force.

To obtain records of the changes in the vertical component a balance[2] designed by the late Professor W. Watson, F.R.S., is used. In this instrument the magnet system consists of eight magnetised steel rods, each 10 cm. long and 0·2 cm. in diameter, carried by an aluminium frame to the centre of which are attached the moving mirror and also the knife-edge, which bears upon an agate plane and about which the system balances. Copper damping plates and a temperature-compensating device are provided. The recording arrangements are similar to those described above, save that the hemi-cylindrical condensing lens and the recording drum are vertical.

One clock serves to operate the three drums and also makes the time marks at two-hourly intervals.

To the containing case of each instrument is fitted a suitably designed drying tube. During the year 1922 it was unnecessary to renew the contents of these tubes and, moreover, the vertical instrument, which is very susceptible to disturbance caused by such an operation, experienced no sudden discontinuities in base line value.

[1] For general description of magnetograph arrangements see "A Dictionary of Applied Physics," Vol. II. Macmillan, London.

[2] *Terrestrial Magnetism*, Vol. VI.

From determinations made in previous years it is known that the diurnal range of temperature in the magnet house is normally less than 0·05° C. Temperature is ascertained daily at 9h 30m by the thermometers within the instrument cases. The monthly means of the readings so obtained during 1922, together with the mean values for the years 1911–21, were as follows :—

EXCESS OF MEAN TEMPERATURE ABOVE 280a.

Month.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Mean 1922	4·6	3·9	3·6	3·3	3·3	3·9	4·8	5·8	6·4*	6·4	5·9	5·1
Mean 1911–21	3·3	2·5	2·3	2·1	2·5	3·4	4·3	5·3	6·1	6·0	5·4	4·3

* In September two observers were in the room for eight hours on each of three consecutive nights.

The annual range of temperature during 1922 was 4·3° C., the mean range for the previous eleven years being also 4·3° C.

The constants of the magnetographs were as follows :—

	North.	West.	Vertical.
Time Scale .. .. 1 hour =	15·6 mm.	15·6 mm.	15·6 mm.
Time marks	Every two hours, beginning at exact hour.		
Error of time mark	Not more than ± 1 min.		
Period of vibration, seconds	14·0	11·0	7·4
Logarithmic decrement*	·369	·639	—
Angular equivalent of 1 mm. on paper, radians ..	·00032	·00032	·0003
Twist of bifilar suspension	35°	90°±5°	—
Ratio $\frac{\text{length of bifilar suspension}}{\text{mean breadth of suspension}}$	51	66	—
Temperature coefficient, per 1° C.	−9 γ	−2 γ	+26 γ
Direction of marked pole	West.	North.	—
Azimuth of magnet	270° 8′	1° 9′·7	346°

* Log. decr. $= \text{Log}_e a_n - \log_e a_{n+1}$; where a_n, a_{n+1} are the amplitudes of two successive swings on the same side of the zero position.

Determinations of scale values are carried out at intervals of two weeks. The method adopted consists essentially in measuring the photographically recorded deflection of the suspended or pivoted magnet produced by an auxiliary or test magnet of known magnetic moment situated at a known distance from the deflected magnet. Two sets of relative positions of the deflecting and deflected magnets are used ; for the north and west instruments they may be termed the " end on " and " broadside on " positions, the magnet axes being in one plane : while in the case of the vertical instrument the deflecting magnet is vertical ; in one position the line joining its centre to that of the deflected magnet is collinear with the axis of the latter, but in the other position it is perpendicular thereto. On a given occasion deflections are produced with the test magnet first on one side of the deflected magnet and then, at the same distance, on the other side, two deflections being produced at each side by reversal of the test magnet. Thus four deflection dots are obtained on the record. The two sets of relative positions of the magnets are employed on alternate occasions. The distance between the deflected and deflecting magnets is about 90 cm. and approximate values of the double deflections produced are 46 and 90 mm. for the north instrument, 41 and 81 mm. for the west, and 56 mm. for the vertical. In deducing the scale values allowance is made for the distribution of magnetism in the magnets by assuming that the latter consist of point poles separated by four-fifths

of the length of the steel* and thence computing values of P, the distribution coefficient, for the different relative positions of the magnets. The moment of the auxiliary or test magnet is determined at intervals of three or four months by deflections at two distances on the Kew magnetometer, the value of the horizontal component of the earth's field being obtained from the result of an absolute observation made on the same day.

For 1922 the following scale values, obtained by overlapping means, were employed in reducing the curve readings :—

SCALE VALUES OF THE MAGNETOGRAPHS (γ per mm. on the paper).

Month.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
North Instrument	4·89	4·90	4·90	4·90	4·91	4·91	4·89	4·90	4·90	4·89	4·87	4·87
West Instrument	5·33	5·33	5·33	5·33	5·33	5·32	5·32	5·31	5·33	5·33	5·35	5·34
Vertical Instrument	4·07	4·07	4·08	4·07	4·07	4·08	4·07	4·05	4·02	3·99	3·98	3·99

Absolute observations of the elements of the terrestrial magnetic field are made in the East Magnetic Hut and throughout 1922 two sets of observations were made during each week, as a rule. Declination and horizontal intensity are determined by means of the Kew unifilar magnetometer, Elliott No. 60, placed on Pier No. 5. This instrument was employed by Rücker and Thorpe in their magnetic surveys of the British Isles 1886–1892. Determinations of inclination (dip) are made by means of the Schulze Inductor, No. 103, placed on Pier No. 6.

For a detailed description of the method of observation with the Kew pattern magnetometer reference should be made elsewhere.†

In determining declination four readings are taken, two with the magnet erect, two with the magnet inverted. A correction is applied to the mean of the observations for the observed torsion in the silk suspending fibre. The fixed mark is about one half-mile (0·8 km.) distant from Pier No. 5, and its bearing is taken as 8° 12′ 30″ west of south.

Determination of horizontal intensity comprises observations of (*a*) the time of vibration of the collimator magnet, and (*b*) the deflection of a mirror magnet by the collimator magnet. Deflection observations are made for three distances of the collimator magnet, the order of position of the latter being : on east arm at 35 cm., 30 cm., 25 cm. ; on west arm at 25 cm., 30 cm., 35 cm. Thus the mean times for the deflections at the three distances are very nearly, if not exactly, identical and the observations are concentrated at the 25 cm. distance. The time interval between the mean times of the vibration and deflection experiments is usually about half an hour. The horizontal intensity H is calculated from $H = \sqrt{mH_v \times \frac{H_R}{m}}$ where mH_v is obtained from the vibration experiment and $\frac{H_R}{m}$ from the deflections made at the 25 cm. distance. $\frac{H_R}{m}$ is corrected for the distribution of magnetism in the magnets, the correction, $\log_{10}\left(1+\frac{P}{25^2}+\frac{Q}{25^4}\right)$, for each month being a mean derived from the observations obtained during the seven months including the given month as fourth of the seven. For the year 1922 the values of this correction were as follows :—

January, ·00515 ; February, ·00519 ; March, ·00503 ; April, ·00503 ; May, ·00512 ; June, ·00513 ; July, ·00520 ; August, ·00532 ; September, ·00526 ; October, ·00528 ; November, ·00519 ; December, ·00510.

* Chree, *Phil. Mag.*, 1904.

† (*a*) as 1 above, (*b*) Stewart and Gee's "Practical Physics."

The Schulze Inductor consists essentially of a coil of insulated wire which can be rotated continuously and rapidly about an axis which coincides with a diameter of the coil. This axis is capable of rotation about a horizontal and a vertical axis. The inclination and azimuth of the coil axis are read off on a vertical and a horizontal scale respectively. The windings of the coil are led off from a commutator to a Broca galvanometer. To effect a determination of magnetic inclination, the coil is set so that its axis of rotation lies in the plane of the magnetic meridian. The coil is then rotated steadily at the rate of about 360 revolutions per minute and the inclination of the axis of rotation is adjusted until the galvanometer deflection is the same in magnitude and sign whether the sense of the rotation is positive or negative. In this position the rotation axis of the coil coincides with the direction of the earth's field and the inclination to the horizontal may be read off from the vertical circle. Two series of settings are made, one with the vertical circle facing east, the other with the circle facing west.

The base line values of the magnetograph records are deduced from the results of the absolute observations, any of the latter obtained during times of considerable disturbance being excluded. For a set of absolute observations on a given day the mean ordinates of the north and west component curves are determined for the periods of time corresponding to the declination, the vibration, and the 25 cm. deflection observations. From these values, and from the value of H obtained as described above, the value of H corresponding to the mean ordinates during the declination observation is derived, and thence the base line values of N and W are computed. Similarly, by the combined use of the curve ordinates at the times of the inclination and horizontal force observations the value of H corresponding to the inclination observation is obtained and thence the base value for V. The base line values finally adopted are obtained from a curve drawn smoothly through points given by the deduced values.

The results of the absolute determinations of D, I and H are summarised in the subjoined table and the values of *m*, the moment of collimator magnet 60a, are also given. For each set of absolute observations are shown the deduced base line values of N, W and V and, in brackets, the adopted base line values. Thus, the entry 15842 (39) signifies :—deduced base line value 15842, adopted base line value 15839. The adopted values were obtained as described in the foregoing, and therefore the base line values corresponding to dates between those given in the table may be obtained by interpolation.

ABSOLUTE DETERMINATIONS OF D, I AND H, AND BASE LINE VALUES OF N, W AND V.

Eskdalemuir. **1922.**

Date.		Declination.				Inclination.			Horizontal Force.			Base Line Values (deduced and adopted).		
		Mean Time.	D.			Mean Time.	I.		Mean Time.	H.	*m.*	North.	West.	Vertical.
		h m	°	′	″	h m	°	′	h m	γ		15,000 γ +	4,000 γ +	44,000 γ +
Jan.	7	11 51	16	33	30	11 23	69	40·9	10 36	16664	906·8	826 (41)	640 (39)	857 (76)
	10	12 15	16	30	21	11 43	69	42·0	11 3	16671	907·1	842 (39)	636 (39)	899 (77)
	13	12 11	16	30	30	11 57	69	40·5	11 21	16681	907·4	835 (38)	637 (40)	882 (78)
	20	11 53	16	34	20	11 37	69	40·3	10 57	16683	907·2	831 (34)	642 (41)	890 (83)
	24	11 37	16	35	5	11 24	69	38·8	10 45	16692	906·7	819 (33)	637 (41)	860 (87)
	27	12 5	16	33	35	11 53	69	40·8	11 15	16670	907·3	824 (32)	643 (41)	875 (90)
	31	11 39	16	35	35	11 15	69	41·3	10 37	16706	906·0	839 (31)	642 (41)	933 (894)
Feb.	3	11 43	16	32	44	11 26	69	40·1	10 49	16706	907·2	835 (31)	640 (40)	920 (898)
	8	11 37	16	31	53	11 18	69	40·6	10 37	16681	907·4	826 (30)	639 (40)	878 (902)
	10	11 55	16	32	53	11 31	69	40·7	10 51	16675	907·6	836 (30)	644 (40)	889 (904)
	14	11 53	16	31	54	11 29	69	39·8	10 49	16704	906·1	841 (30)	632 (40)	926 (06)
	17	11 57	16	33	20	11 33	69	41·1	10 54	16682	907·5	827 (30)	642 (40)	893 (906)
	22	11 51	16	32	47	11 34	69	40·7	11 0	16682	907·0	831 (29)	640 (40)	912 (05)
	24	11 55	16	32	23	11 25	69	40·5	10 49	16684	907·6	832 (29)	641 (40)	912 (05)

ABSOLUTE DETERMINATIONS—*continued.*

Date.	Declination.				Inclination.			Horizontal Force.			Base Line Values (deduced and adopted).		
	Mean Time.	D.			Mean Time.	I.		Mean Time.	H.	*m.*	North.	West.	Vertical.
	h m	°	′	″	h m	°	′	h m	γ		15,000 γ +	4,000 γ +	44,000 γ +
Mar. 1	11 37	16	33	13	11 19	69	40·7	10 43	16664	907·4	824 (28)	640 (40)	888 (903)
3	14 59	16	31	58	14 31	69	40·8				816 (28)	637 (40)	880 (902)
4								10 54	16661	907·5			
7	11 45	16	30	23	11 21	69	41·1	10 39	16664	907·9	827 (27)	643 (40)	884 (900)
10	11 51	16	32	30	11 29	69	40·8	10 51	16674	907·4	821 (27)	640 (40)	910 (898)
14	11 41	16	33	53	11 16	69	43·9	14 9	16670	908·3	829 (26)	635 (40)	913 (896)
17	11 55	16	33	28	11 15	69	41·3	14 27	16684	907·7	836 (25)	645 (41)	925 (894)
21	11 57	16	32	38	11 27	69	41·5				822 (24)	642 (41)	885 (93)
24	11 55	16	31	2	11 34	69	41·9	11 1	16656	907·2	823 (23)	640 (42)	902 (892)
28	11 53	16	31	39	11 21	69	42·0	14 2	16672	907·3	825 (22)	643 (42)	894 (90)
31	11 51	16	28	33	11 17	69	41·7	14 29	16683	908·0	837 (21)	649 (43)	931 (889)
Apr. 4	11 47	16	30	15	11 19	69	41·6	14 4	16669	907·1	819 (20)	644 (44)	880 (86)
11	11 27	16	33	42	11 30	69	41·7	14 55	16670	907·3	817 (17)	639 (44)	879 (79)
14	11 59	16	33	59	11 25	69	43·8	14 38	16657	907·2	815 (15)	643 (44)	875 (75)
18	11 55	16	32	0	11 27	69	42·0	14 40	16704	907·3	839 (14)	651 (45)	943 (872)
21	11 55	16	32	23	11 21	69	41·2	14 31	16665	906·7	813 (12)	643 (45)	870 (70)
25	11 57	16	32	48	11 25	69	42·1	14 29	16652	907·3	809 (10)	645 (45)	845 (72)
28	11 53	16	31	25	11 16	69	42·0	14 43	16664	907·2	810 (09)	641 (45)	850 (74)
May 5	12 1	16	31	11	11 33	69	40·3	15 13	16680	907·0	807 (07)	643 (45)	876 (85)
10	14 59	16	31	15	14 12	69	41·2	11 11	16674	908·1	829 (08)	646 (45)	955 (893)
12	11 51	16	30	3	11 27	69	40·9	14 46	16672	907·7	809 (09)	643 (46)	860 (96)
16	11 41	16	30	49	11 11	69	41·2	14 51	16723	906·3	831 (12)	646 (46)	939 (04)
19	11 59	16	32	9	11 41	69	41·5	14 49	16682	907·1	816 (15)	645 (46)	910 (08)
23	11 53	16	31	10	11 34	69	41·7	15 11	16691	907·9	822 (20)	648 (46)	927 (13)
26	11 53	16	33	13	11 25	69	42·1	14 39	16700	907·4	821 (21)	644 (46)	925 (16)
31	11 57	16	30	39	11 26	69	41·8				823 (24)	647 (46)	919 (20)
June 2	11 49	16	32	35	11 23	69	41·0	14 1	16686	907·5	824 (24)	645 (46)	917 (21)
6	11 53	16	33	15	11 34	69	41·7	14 44	16697	906·9	826 (26)	650 (47)	927 (24)
9	11 59	16	29	18	11 34	69	41·3				826 (27)	648 (48)	915 (26)
13	11 59	16	31	8	11 40	69	40·7	14 53	16700	907·1	820 (30)	646 (49)	887 (927)
16	11 59	16	30	48	11 39	69	40·6				834 (32)	656 (50)	940 (28)
17								10 37	16667	906·9			
21	11 59	16	29	41	11 41	69	40·5	14 42	16703	907·1	837 (36)	655 (51)	937 (30)
23	11 59	16	30	50	11 34	69	40·6	15 9	16682	907·4	826 (37)	650 (51)	909 (31)
27	11 59	16	31	13	11 43	69	41·2	14 3	16702	907·0	839 (38)	653 (51)	932 (31)
30	12 1	16	29	0	11 41	69	42·3				840 (40)	649 (51)	928 (31)
July 4	11 59	16	27	23	11 41	69	41·1	14 24	16696	907·0	839 (40)	652 (52)	938 (31)
7	11 59	16	29	18	11 41	69	40·3	14 33	16686	906·9	840 (41)	650 (53)	944 (31)
11	11 59	16	30	40	11 39	69	41·9	14 52	16724	906·9	852 (42)	656 (56)	980 (30)
18	11 59	16	30	21	11 39	69	42·9	14 13	16697	906·7	844 (45)	659 (57)	948 (25)
21	11 59	16	27	50	11 37	69	40·2				845 (45)	656 (57)	961 (22)
25	11 59	16	31	16				14 7	16699	907·0	850 (46)	656 (56)	917 (17)
26					11 38	69	38·9						
28	12 11	16	30	43	14 43	69	40·0	14 8	16673	906·6	849 (45)	656 (56)	861 (912)
Aug. 1	11 59	16	30	33				15 7	16705	907·1	855 (45)	659 (54)	925 (06)
2					11 21	69	39·7						
4	11 59	16	27	0	11 35	69	39·5				840 (44)	651 (53)	894 (902)
5								11 37	16671	907·6			
8	11 59	16	27	35	11 36	69	41·1	14 37	16680	907·2	832 (43)	651 (52)	859 (96)
25	12 5	16	30	59	11 33	69	41·1	15 10	16679	906·7	832 (42)	653 (49)	838 (73)
29	12 11	16	32	33	11 29	69	41·1	15 59	16686	906·7	843 (42)	648 (47)	867 (69)

ABSOLUTE DETERMINATIONS—*continued.*

Date.	Declination.		Inclination.		Horizontal Force.			Base Line Values (deduced and adopted).		
	Mean Time.	D.	Mean Time.	I.	Mean Time.	H.	*m.*	North.	West.	Vertical.
	h m	° ′ ″	h m	° ′	h m	γ		15,000 γ +	4,000 γ +	44,000 γ +
Sept. 1	11 51	16 29 0	11 15	69 40·7	16 45	16683	906·9	835 (44)	643 (45)	
5	14 38	16 25 2	11 40	69 40·6	11 14	16663	906·5	854 (46)	644 (44)	883 (65)
8	15 0	16 29 39	16 19	69 40·7	11 19	16625	905·8	848 (48)	644 (44)	869 (64)
12	11 43	16 27 45	11 25	69 40·4	14 33	16692	907·2	850 (48)	645 (45)	858 (64)
15	11 35	16 27 40	11 19	69 42·5	14 43	16658 }	907·7	846 (47)	646 (46)	844 (64)
19	11 43	16 25 18	11 29	69 41·6		}		846 (47)	648 (47)	915 (865)
23	11 55	16 25 48	11 31	69 41·2	10 53	16646	907·1	846 (47)	647 (48)	852 (66)
26	11 19	16 24 13	11 5	69 41·6	14 45	16686	907·5	849 (48)	649 (48)	873 (68)
29	11 33	16 24 45	11 19	69 40·7	14 49	16686	907·3	852 (48)	648 (49)	870 (69)
Oct. 3	11 19	16 27 23	—	—	11 43	16667	907·5	851 (48)	650 (49)	—
10	12 19	16 25 50	12 3	69 40·5	14 55	16664	906·9	844 (47)	645 (48)	847 (74)
13 }	11 49	16 26 28	11 31	69 40·9		}		848 (47)	648 (48)	877 (75)
14 }					12 1	16648 }	906·7			
17	11 11	16 26 25	10 55	69 42·6	11 39	16644	907·8	857 (47)	658 (48)	877 (76)
20	11 7	16 24 13	10 56	69 40·5	11 38	16669	906·9	847 (46)	646 (47)	876 (77)
24	11 37	16 27 35	11 23	69 40·6	12 5	16661	907·7	843 (46)	644 (47)	875 (78)
27	11 35	16 28 5	11 23	69 41·5	12 3	16639	907·8	860 (46)	650 (47)	904 (878)
31	11 29	16 25 8	11 15	69 43·1	11 53	16617	907·8	845 (46)	646 (47)	899 (78)
Nov. 7	11 21	16 23 48	11 22	69 40·1	11 47	16667	906·6	846 (44)	650 (47)	862 (76)
11	10 49	16 22 38	11 1	69 40·6	10 23	16669	906·9	848 (43)	645 (47)	873 (76)
14	14 39	16 22 25	11 27	69 40·2	11 54	16672	907·5	841 (41)	646 (47)	878 (75)
17	14 43	16 23 25	11 40	69 40·0	11 11	16674	907·5	843 (39)	643 (47)	886 (74)
21	14 45	16 23 48	11 44	69 39·7	12 15	16687	907·7	841 (36)	652 (47)	905 (871)
24	14 25	16 22 53	11 5	69 40·4	11 35	16664	907·3	832 (34)	646 (47)	869 (68)
28	14 27	16 22 18	11 22	69 40·0	11 53	16661	906·8	829 (30)	644 (47)	846 (65)
Dec. 1	14 35	16 24 55	11 13	69 40·6	11 43	16646	906·8	826 (28)	647 (47)	832 (62)
5	12 35	16 24 45	10 33	69 38·9	11 6	16677	907·5	832 (26)	653 (47)	858 (57)
8	14 27	16 22 56	10 55	69 39·5	12 5	16652	906·7	819 (25)	645 (47)	824 (55)
12	14 28	16 25 13	10 57	69 40·1	12 9	16661 }	907·0	817 (22)	655 (47)	838 (52)
15	15 2	16 24 0	11 6	69 40·2		}		820 (21)	643 (47)	834 (52)
19	14 31	16 22 38	10 41	69 38·7	11 55	16666	906·9	815 (20)	648 (47)	820 (52)
22	14 37	16 20 53	10 37	69 39·3	11 35	16683	907·2	836 (19)	645 (46)	891 (52)
26	14 47	16 24 19	14 10	69 42·4	11 29	16673	907·1	830 (18)	644 (46)	883 (52)
30	14 1	16 25 21	12 51	69 40·1	11 25	16656	907·2	817 (17)	643 (45)	868 (54)

The hourly readings are obtained from the magnetograms by means of a ruled glass scale. The reading for any given hour G.M.T. is that ordinate estimated to be the mean reading for 60-minutes centering at the given hour. The product of this ordinate and the scale value is added to the adopted base line value, and the sum so obtained is the hourly value printed in the tables.

Notes on Tables.

The hourly values of N, W and V, obtained as described above, appear in three of the four monthly tables. The mean value for the day is computed according to the expression

$$x = \{\tfrac{1}{2}(x_0 + x_{24}) + x_1, + x_2 + \ldots\ldots\ldots + x_{23}\}/24$$

In the fourth table for each month are given :—

(*a*) the values and times of the daily maximum and minimum and the values of the absolute daily range for each of the components N, W and V.

(*b*) the value of ΣR^2* for each day. ΣR^2 is written for $R_N^2 + R_W^2 + R_V^2$ where R_N, R_W, R_V denote the absolute ranges for a calendar day of the north, west and vertical components.

(*c*) the " characteristic ratio," ρ, which is the ratio of the value of ΣR^2 for a given day to the mean monthly value of ΣR^2. This ratio is an index of the degree of disturbance or activity on a given day relatively to the other days of the same month.

(*d*) the daily magnetic character figures, assigned according to the international scheme wherein " 0," " 1," " 2," respectively, denote quiet, moderately disturbed and highly disturbed conditions. The letters " Q " and " D " denote the five quiet and the five most disturbed days as selected at De Bilt.

(*e*) the daily values of temperature in the underground magnetograph chamber.

Mean diurnal inequalities of the components N, W, V, H, D and I on " all " days and on international quiet and disturbed days are given, for the months, seasons and year, in Tables 245 to 262. In calculating diurnal inequalities the non-cyclic change has been eliminated on the assumption that its time-rate is linear. Inequality values are first calculated to 0·01 γ and then rounded off to 0·1γ. The inequalities of H, D and I have been computed from those of N, W and V by means of the formulae :—

$$\delta D = \frac{180 \times 60}{\pi}\left(\frac{\delta W \cos D - \delta N \sin D}{H}\right)$$

$$\delta H = \delta N \cos D + \delta W \sin D$$

$$\delta I = \frac{180 \times 60}{\pi} \cos I \left(\frac{\delta V \cos I - \delta H \sin I}{H}\right)$$

in which δ D and δ I are expressed in minutes of arc, and where H, D and I for any given month are the respective mean values for that month as published in Table 266. The values of the range of the mean diurnal inequalities of the several elements on the three different types of day are brought together in Table 263, and the values of the non-cyclic change of N, W and V are given in Table 264.

The results of harmonic analysis of the monthly, seasonal and annual diurnal inequalities of N, W and V are to be found in Tables 267 and 268, in which are given the values of a_n, b_n, c_n, and α_n, in the two equivalent series $\Sigma\ (a_n \cos 15nt^\circ + b_n \sin 15nt^\circ)$ and $\Sigma\, c_n \sin (15nt^\circ + \alpha_n)$. In the former series t is reckoned in hours from midnight G.M.T., whilst the published values of α_n refer to Local Mean Time. The values of the harmonic coefficients have been computed from the unrounded values of the inequalities and have been corrected, where necessary, on account of the fact that the hourly values are not instantaneous values but are mean values. The factors by which the coefficients have to be multiplied (*vide* Report of the British Association, 1883, p. 98) are 1·00286 for a_1, b_1, c_1 ; 1·01152 for a_2, b_2, c_2 ; 1·02617 for a_3, b_3, c_3 ; and 1·04720 for a_4, b_4, c_4. Finally, the values were rounded off to 0·1 γ.

* See also p. 85.

In Table 266 appear for the months and year the mean values of N, W, V, D, I, H and Total Force, T. The means of the four latter elements are derived from the corresponding mean values of N, W and V, which are the means of hourly values on "all" days in the month or year.

Review of Results of Magnetic Observations.

Mean and Extreme Values of the Magnetic Elements, 1922.—The mean values are given below in Table I along with the corresponding values for the previous year. The values of N, W and V have been computed from the hourly values derived from the autographic records of "all days," standardised by means of the absolute observations; those of H, D, I and T have been deduced from the values of N, W and V.

TABLE I.

Year.	H.	D. (West).	I.	N.	W.	V.	T.
	γ	° ′	° ′	′ γ	γ	γ	γ
1921	16695	16 37·3	69 40·3	15998	4776	45062	48055
1922	16680	16 25·8	69 40·0	15999	4718	45012	48003

The value of H continued to decrease but at a greater rate than during the preceding four years. The rate of diminution in westerly declination although slightly less than during 1921 was noticeably in excess of the average rate for the period 1910–1920. The general increase in inclination which has been in progress since 1915 was apparently checked, and the value for 1922 was only slightly less than that for 1921. Very little change occurred in the north component, but the vertical component decreased appreciably.

For comparison with the values given above the following means derived from the international quiet days may be noted:—N, 16002γ; W, 4720γ; V, 45014γ.

The extreme values of N, W and V recorded during the year are given in Table II.

TABLE II.

Component.	Maximum.					Minimum.					Absolute Annual Range.
	Value.	Date, 1922.				Value.	Date, 1922.				
	γ		d	h	m	γ		d	h	m	γ
North	16157	Sept.	8	19	20	15802	Sept.	14	21	9	355
West	4849	Mar.	13	14	33	4539	Sept.	14	21	54	310
Vertical ..	45239	Jan.	24	16	37	44853	May	8	1	22	386

The absolute annual ranges in N and W were the smallest recorded since 1914, and that in V was smaller than in any of the years, 1911, 1914–1921, for which the V records are complete.

Magnetic Character of the Year.—In addition to assigning to each day a character figure according to the international scheme, it has been the practice for some years at Eskdalemuir to tabulate for each day two quantities which are in some measure indicative of the degree of the activity of terrestrial magnetic force. The quantities

in question are (1) ΣR^2,* the sum of the squares of the absolute daily ranges of the three geographical components, and (2) the mean of the 24-hourly values of Σr^2,† the sum of the squares of the hourly ranges of these components. For 1922 the "characteristic ratio" ρ,* has been tabulated for each day. The usual magnetic character figures, the value of ΣR^2 and of ρ for each day appear in the fourth table under each month in this volume. The daily means of Σr^2 are given in Table III below.

TABLE III.

1922.	Mean Value of Σr^2 (Unit $100\gamma^2$).											
	Jan.	Feb.	Mar.	Apr.	May	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Day.												
1	1·2	7·3	27·9	18·9	2·2	1·9	23·0	4·7	4·1	2·5	21·8	4·2
2	1·6	3·6	14·8	10·4	1·0	17·3	13·5	2·3	3·0	8·0	23·0	2·4
3	0·7	19·0	29·5	2·1	0·9	21·0	14·9	2·5	4·9	18·9	20·3	0·8
4	1·3	16·1	5·3	1·1	1·8	7·2	4·8	3·1	4·8	9·9	4·3	0·4
5	1·5	4·7	64·3	1·6	5·9	35·8	4·3	8·9	2·7	122·0	2·1	4·7
6	2·3	11·7	2·8	1·0	5·4	18·8	3·9	5·2	5·0	37·8	0·6	7·7
7	12·9	2·1	1·4	1·7	35·8	6·6	6·3	2·4	35·7	31·7	1·3	1·7
8	—	13·0	1·4	22·0	29·9	4·2	1·9	3·9	47·0	21·4	1·3	0·4
9	—	19·9	2·1	36·2	45·9	3·7	3·9	12·9	22·3	11·7	1·8	1·1
10	19·1	2·8	26·0	21·4	28·4	2·1	5·7	15·7	18·5	7·9	19·9	7·5
11	6·4	1·3	8·7	7·9	13·8	3·0	2·2	40·4	4·7	1·9	1·1	11·0
12	2·8	15·2	21·0	26·3	3·2	8·0	1·3	23·8	4·3	2·7	0·9	3·5
13	1·5	6·7	61·2	13·5	2·9	6·1	3·6	20·4	7·8	4·2	0·8	2·1
14	0·9	8·9	81·9	9·4	3·1	2·7	15·4	27·8	201·8	5·7	0·7	13·6
15	0·5	24·2	5·1	9·0	2·7	1·4	13·3	10·7	13·7	4·7	2·5	6·3
16	22·8	30·7	2·9	4·4	46·2	23·1	30·9	3·9	2·8	1·0	0·7	0·5
17	16·9	14·8	26·4	5·7	10·2	35·1	10·3	1·3	5·3	8·6	1·3	0·5
18	10·9	6·6	9·6	3·4	3·9	15·2	12·4	1·1	3·1	1·7	0·7	0·3
19	9·5	3·4	19·2	1·4	7·8	7·2	15·2	2·2	2·1	1·4	0·8	1·0
20	4·5	6·7	9·9	5·0	3·4	5·0	5·8	4·8	28·5	20·2	1·1	0·7
21	1·2	9·1	2·6	15·8	23·1	6·3	2·3	8·1	20·3	2·7	3·3	—
22	0·4	1·7	4·9	42·7	14·1	3·6	2·0	6·9	2·1	0·9	2·6	—
23	1·6	0·8	2·0	22·5	11·8	6·9	5·5	25·8	2·0	2·2	1·2	0·3
24	54·1	1·1	1·4	32·2	10·6	2·2	8·6	13·8	1·9	13·6	1·3	1·4
25	51·1	0·5	28·2	16·4	11·3	2·3	2·5	8·6	2·9	10·1	0·8	3·4
26	11·0	5·5	4·9	36·0	14·7	2·3	31·1	8·5	1·1	2·1	0·5	14·7
27	3·0	7·9	5·2	24·2	7·3	6·6	27·9	11·3	20·0	5·0	11·7	1·1
28	1·7	11·0	2·9	6·7	4·3	8·8	47·9	3·9	19·6	3·4	11·9	1·4
29	1·8	—	8·6	16·9	1·5	46·7	25·5	10·7	2·5	2·5	25·1	1·7
30	2·4	—	39·4	5·8	1·4	39·5	12·4	11·4	12·6	9·2	8·9	2·2
31	16·6	—	18·5	—	1·2	—	5·5	7·4	—	67·8	—	0·6
Mean	9·0	9·2	17·4	14·1	11·5	11·7	11·7	10·1	16·9	14·3	5·8	3·4

* See p. 83.

† r_N, r_W, r_V, denoting ranges for a given hour of N, W and V, Σr^2 stands for $r_N^2 + r_W^2 + r_V^2$. $\frac{1}{24}\sum_1^{24}(\Sigma r^2)$ is shown in Table III.

For other methods of estimating magnetic activity, see *Activity of the Earth's Magnetism and Magnetic Characterisation of Days*, by G. Van Dijk, Neder, Met. Inst., No. 102 (Utrecht, 1922).

The monthly distribution and mean annual values of magnetic character figures, together with mean values of ΣR^2 and of Σr^2, are shown in Table IV.

TABLE IV.

Month.	Magnetic Character Figures.			Mean Character Figure.	Mean value of $\Sigma R^2/100$.	Mean value of $\Sigma r^2/100$.
	No. of "0" days.	No. of "1" days.	No. of "2" days.			
1922.					γ^2	γ^2
January	17	10	4	0·58	193	9·0
February ..	11	13	4	0·75	158	9·2
March	13	11	7	0·81	285	17·4
April	10	15	5	0·83	279	14·1
May	17	10	4	0·58	221	11·5
June	14	10	6	0·73	215	11·7
July	10	16	5	0·84	224	11·7
August	11	16	4	0·77	200	10·1
September ..	14	12	4	0·67	303	16·9
October	14	15	2	0·61	236	14·3
November ..	21	8	1	0·33	93	5·8
December ..	22	9	0	0·29	55	3·4
Year, 1922 ..	174	145	46	0·65	205	11·3
Year, 1921 ..	177	145	43	0·63	255	15·6
Year, 1920 ..	194	137	35	0·57	286	13·9

It is seen that according to all three criteria of activity November and December were the quietest months of the year, but that there is not agreement in the selection of the most disturbed month.

Judged by the mean magnetic character figure activity was very slightly greater in 1922 than in 1921, whereas the mean values of ΣR^2 and Σr^2 were quite definitely less in 1922 than in 1921. It is to be remarked that in May, 1921, there were several days of severe disturbance, and the high values of ΣR^2 and Σr^2 for that month exercised a considerable effect on the annual means. In each month of 1922, with the exception of May, November and December, the mean value of ΣR^2 and of Σr^2 was greater than the corresponding value in 1921.

The mean values of ΣR^2 and of the daily means of Σr^2 on days to which the different magnetic character figures have been assigned, and on the international quiet days, are shown in Table V. In this table the annual means are the means of the monthly means, and in the case of "0" and "1" days these values do not differ greatly from the means obtained by giving equal weight to all days of a class. But owing to the relatively more irregular monthly distribution of "2" days the annual means obtained by giving equal weight to individual days may differ considerably from the means given above. Thus the equal weight means of $\Sigma R^2/100$ are 704, 1327, 1683, and of $\Sigma r^2/100$ are 41·7, 97·3, 92·5 for 1922, 1921 and 1920 respectively.

For international quiet days, "0" days, and "1" days the annual means of ΣR^2 and of Σr^2 were greater in 1922 than in 1921. For "2" days the annual means were less than in 1921, although in eight months of 1922 the mean values of ΣR^2 and of Σr^2 were greater than the corresponding quantities in 1921. It appears that although the greatest disturbances in 1922 were very much less in magnitude than those in 1921, the degree of general activity was higher in 1922 than in 1921.

TABLE V.

Month.	Q days.		"0" days.		"1" days.		"2" days.	
	$\frac{\Sigma R^2}{100}$	$\frac{\Sigma r^2}{100}$	$\frac{\Sigma R^2}{100}$	$\frac{\Sigma r^2}{100}$	$\frac{\Sigma R^2}{100}$	$\frac{\Sigma r^2}{100}$	$\frac{\Sigma R^2}{100}$	$\frac{\Sigma r^2}{100}$
1922.	γ^2	γ^2	γ^2	γ^2	γ^2	γ^2	γ^2	γ^2
January	18	0·8	31	1·7	216	11·7	821	42·7
February	26	1·1	48	2·6	173	10·3	409	23·5
March	52	1·7	70	3·1	278	15·7	697	46·8
April	51	1·4	89	3·1	277	14·5	667	34·7
May	64	1·5	87	3·1	253	14·6	714	39·5
June	88	2·2	98	3·4	190	10·1	529	33·5
July	76	1·9	87	2·9	197	11·0	582	31·7
August	61	2·2	73	2·9	205	10·7	531	28·1
September	58	2·0	72	2·9	238	12·8	1306	78·3
October	37	1·5	64	2·4	256	14·7	1284	94·9
November	19	0·8	25	1·3	235	15·6	378	21·8
December	8	0·5	23	1·2	135	8·1	—	—
Year, 1922..	47	1·5	64	2·5	221	12·5	720	43·2
Year, 1921..	45	1·3	60	2·1	181	8·5	926	61·5
Year, 1920..	59	1·5	78	2·6	242	11·4	1262	67·5

Daily Variation of Σr^2.—Attention has been confined to the five international quiet days* of each month and the mean values of Σr^2 have been obtained for the hour periods centred at exact hours G.M.T. The results are shown in Table VI in the form of mean diurnal inequalities for the months, seasons and year.

TABLE VI.—MEAN DIURNAL INEQUALITIES OF Σr^2 ON INTERNATIONAL QUIET DAYS FOR MONTHS AND SEASONS, 1922.
Unit $1\gamma^2$.

Month and Season	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean Value
January ..	+181	+114	− 50	− 25	− 45	− 45	− 71	− 43	− 52	− 40	+ 10	− 1	− 2	− 32	− 41	− 54	− 42	− 35	− 56	− 55	− 3	+ 11	+308	+ 66	82
February ..	+220	− 78	− 82	− 79	− 75	−100	− 83	− 91	− 50	− 48	+149	+ 63	+ 69	+ 64	+203	− 2	− 19	+ 26	− 9	− 35	− 27	− 34	− 3	+ 21	115
March ..	− 86	−250	−209	−147	−116	−193	−131	− 65	+ 10	+ 38	+102	+199	+ 28	+ 7	+ 52	+ 77	+112	− 3	− 13	+ 24	+157	+228	+ 64	+117	167
April ..	+ 29	+ 4	− 57	− 83	− 81	− 72	− 30	+ 25	+143	+ 43	+187	+165	+ 36	+ 2	+125	+ 31	− 31	− 3	− 27	−108	− 94	− 93	−114	+ 47	137
May ..	− 28	+ 52	− 36	− 28	+ 82	− 60	− 29	+ 3	+115	+ 5	+ 74	+103	+119	+ 31	+ 41	− 3	+ 3	+ 26	− 90	−104	− 96	−114	− 84	+ 18	146
June ..	+ 37	− 55	−144	−161	− 61	− 94	− 74	− 76	− 29	− 51	+ 50	− 2	+160	+103	− 11	+ 77	− 22	+216	+ 23	+160	+ 31	−113	− 44	+ 82	219
July ..	+ 30	− 39	−151	−121	− 72	− 85	− 24	− 32	+ 73	− 97	+ 82	+ 83	+140	+ 98	− 7	+160	+134	+ 24	− 53	− 21	− 83	− 80	− 37	+ 76	193
August ..	− 1	+ 15	−160	−175	− 79	−108	−100	− 87	− 61	− 34	+ 56	− 30	− 49	+ 42	+ 6	+ 84	+261	+101	+142	− 33	− 37	+393	− 69	− 79	221
September	+353	+215	+214	+142	+ 96	+ 71	+ 77	+ 91	+105	+ 22	+ 77	+248	− 16	− 52	−120	−184	−244	−180	−217	−149	−360	−373	−354	+540	202
October ..	− 35	+ 33	− 59	+ 26	+196	+ 3	− 43	− 10	− 16	+ 45	+149	+ 28	− 52	− 55	− 32	− 23	− 42	− 94	+ 47	+189	− 90	− 53	− 84	− 27	149
November..	+ 10	+106	− 24	− 7	+ 7	− 37	− 49	+ 36	+ 5	− 14	+ 54	+ 77	+ 4	− 28	− 4	− 35	− 56	− 44	− 23	− 33	+ 59	+ 16	+ 15	− 36	78
December	+ 29	+ 6	− 4	+ 10	− 2	− 27	− 31	− 21	− 4	+ 0	+ 21	− 10	+ 3	− 3	− 9	− 24	− 21	− 17	− 30	− 12	− 3	+ 31	+ 79	+ 38	43
Year ..	+ 62	+ 6	− 63	− 54	− 13	− 62	− 49	− 22	+ 20	− 11	+ 84	+ 77	+ 37	+ 15	+ 17	+ 9	+ 3	+ 1	− 26	− 15	− 46	− 15	− 27	+ 72	146
Winter ..	+110	+ 37	− 40	− 25	− 29	− 52	− 58	− 30	− 25	− 25	+ 59	+ 32	+ 19	+ 0	+ 37	− 29	− 35	− 17	− 30	− 34	+ 6	+ 6	+100	+ 22	80
Equinox ..	+ 65	− 11	− 28	− 15	+ 24	− 48	− 32	+ 10	+ 60	+ 37	+129	+160	− 1	− 24	+ 6	− 25	− 51	− 70	− 53	− 11	− 97	− 73	−122	+169	164
Summer ..	+ 9	− 7	−123	−121	− 33	− 87	− 57	− 48	+ 25	− 44	+ 65	+ 39	+ 93	+ 69	+ 7	+ 79	+ 94	+ 92	+ 5	+ 1	− 46	+ 22	− 59	+ 24	195

Even the seasonal mean inequalities show considerable irregularity and are much less smooth than those for 1920. The range of the mean winter variation is less than the ranges for the other seasons. General features shown by the seasonal means are morning and evening minima, a maximum near midday or in the afternoon and another near midnight. The latter was more prominent in the 1922 mean winter and equinox variations than in the corresponding seasons in 1920 and 1921.

* December 18th was substituted for December 22nd owing to defective record on the latter day.

Harmonic analysis of the mean variation for seasons and year yields the following values of the amplitudes of the first four terms.

	c_1	c_2	c_3	c_4
	γ^2	γ^2	γ^2	γ^2
Winter	16	48	8	10
Equinox	44	49	29	26
Summer	68	19	20	25
Year	22	38	16	20

The chief features appear to be the low value of the 24-hour term in winter and the predominance of that term in summer. Similar relations were noted in respect to 1920 and 1921.

Diurnal Inequalities.—The inequalities for the year for international quiet and disturbed days are shown in Plates I and II, the latter being in the form of vector diagrams. It may be noted that the vector diagrams for disturbed days bear a fairly close resemblance to those for 1915.

(*a*) Ranges.—In the annual inequalities of the north and west components for quiet, disturbed, and " all " days the ranges were less than in 1921, except for the north component on disturbed days. With the same exception the range in the annual inequality for each class of day was the least since 1915 or 1916. The range of the annual inequality of the vertical component, for the three classes of day was greater than in 1921.

With the exception of the west inequality in winter the ranges of the seasonal inequalities of the horizontal components on quiet days were less than in the preceding six years, but the corresponding ranges of the vertical force inequality were greater than in 1921, and, moreover, the range of the inequality of this component exceeded the 1921 range in all months save July and August.

For disturbed days the ranges of the seasonal inequalities of the north and west components were less than those in 1921, except in equinox. The north inequality range in winter was noticeably low, and the range of the inequality of this component in December was the smallest in any month of the period 1915–1922. In the case of the vertical component the inequality range was greater than in the preceding year in nine months, the range in January being considerably higher than usual, whilst the range in December was the least of any month of the period 1915–1922.

The ranges of the seasonal inequalities of the horizontal components on " all " days were, with the exception of that of the north component in equinox, the least since 1914. The range of the December " all " days vertical force inequality was noticeably small, but the ranges of nine of the monthly and of all seasonal inequalities of this component exceeded the corresponding ranges in 1921.

(*b*) Harmonic Coefficients.—The amplitudes of the two principal terms for the north and west components, for quiet and " all " days, were less than the values for the individual seasons and years of the period 1911–1920, and in general the phases of these terms tended to be slightly accelerated relatively to those of the preceding two or three years, the exceptions being mainly confined to the 12-hour terms for " all " days.

For disturbed days c_1 and c_2, for the year, were greater than in 1921 in the case of the north component, but less than in 1921 in the case of the west component. In winter, for disturbed days, c_2 for each of the horizontal components was noticeably small. The phase of the 24-hour term was accelerated relatively to that of 1921 for the north component in equinox, summer and the year.

On quiet and " all " days c_1 and c_2 for the vertical component were in all seasons greater than in 1921, and a similar relation holds for disturbed days except for c_1 in summer. The phase angles of the 24-hour term on quiet and " all " days were greater

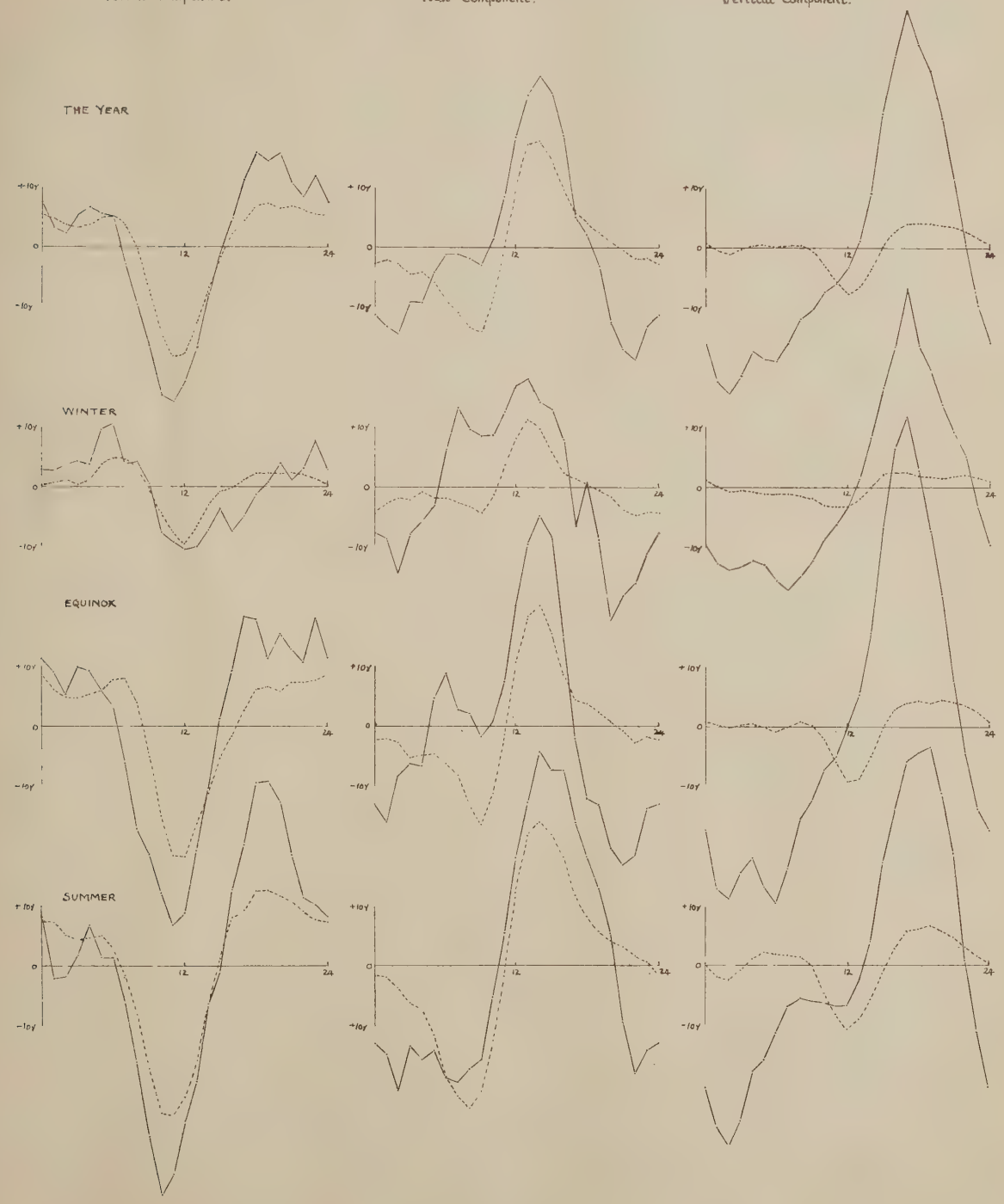
DIURNAL VARIATION IN THE COMPONENTS OF MAGNETIC FORCE ON QUIET AND DISTURBED DAYS

ESKDALEMUIR 1922

THE YEAR AND THE SEASONS

QUIET DAYS Dotted lines - - - - - - - - DISTURBED DAYS Continuous lines ———

North Component. West Component. Vertical Component.



Scales; Force, 1mm. = 1γ.
Time, 2mm. = 1hr.

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To face p. 88.

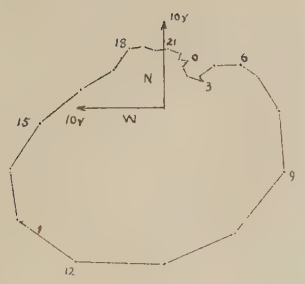
VECTOR DIAGRAMS ILLUSTRATING DIURNAL VARIATION IN MAGNETIC FORCE ON QUIET AND DISTURBED DAYS.

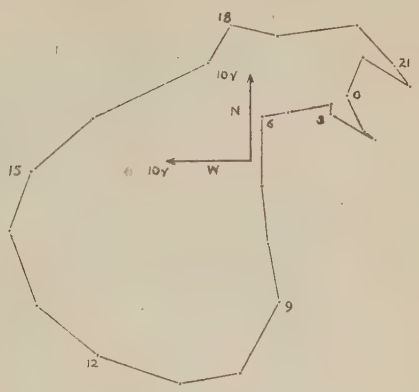
ESKDALEMUIR 1922.

QUIET DAYS

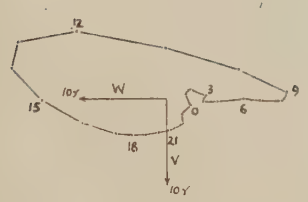
DISTURBED DAYS

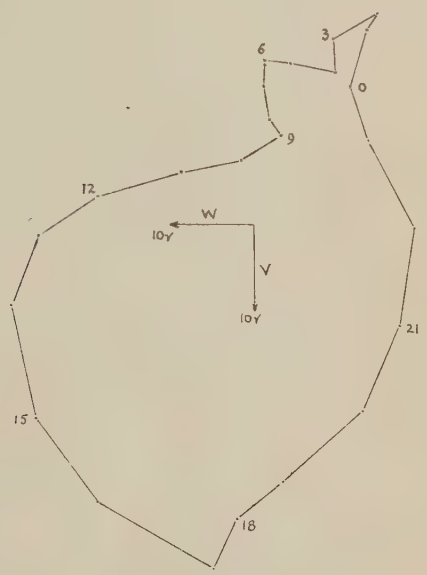
Horizontal Components



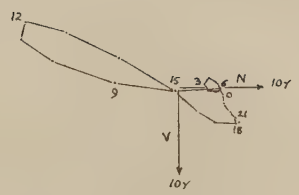


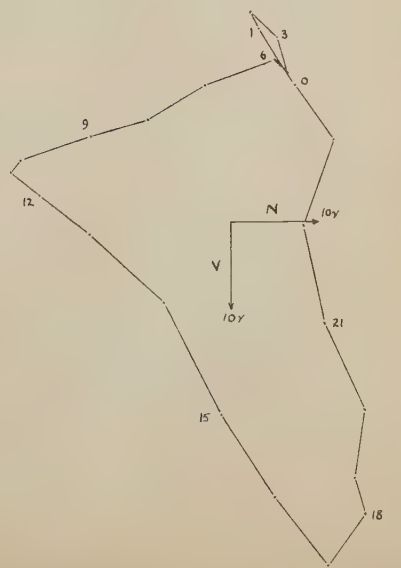
Prime Vertical Components





Meridian Components





Scale; 0·05 ins. = 1γ.

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than in 1920 and 1921, except on winter quiet days when the value of α_1 was the smallest for the period 1916–1922. In each season the 12-hour term on "all" days was earlier in phase than in the period 1916–1921, and the same relation is noticed for disturbed days in winter and equinox.

Daily Range.—The values of mean absolute daily range for the months and seasons of the year, together with the means for 1911–1921, are given in Table VII, and the ranges are also expressed as percentages of the mean absolute daily range for the year.

TABLE VII.—ABSOLUTE DAILY RANGE. MEAN MONTHLY VALUES.

Month.	Mean Absolute Daily Range.						Mean Daily Range expressed as Percentage of Yearly Mean.					
	1922.			Mean 1911–21*.			1922.			Mean 1911–21.		
	N.	W.	V.	N.	W.	V.	N.	W.	V.	N.	W.	V.
	γ	γ	γ	γ	γ	γ	%	%	%	%	%	%
January ..	73	71	39	59	63	32	88	91	85	74	82	71
February ..	69	80	40	63	68	35	83	103	87	79	88	78
March ..	99	92	59	86	87	53	119	118	128	107	113	118
April ..	106	91	61	92	83	53	128	117	133	115	108	118
May ..	90	82	53	97	83	56	109	105	115	121	108	124
June ..	98	80	48	84	80	40	118	103	104	105	104	89
July ..	95	84	51	84	79	44	115	108	111	105	103	98
August ..	89	80	51	97	87	53	107	103	111	121	113	118
September ..	93	91	55	91	84	51	112	117	120	114	109	113
October ..	91	80	47	86	86	51	110	103	102	107	112	113
November ..	52	53	28	65	66	36	63	68	61	81	86	80
December ..	37	47	17	59	62	33	45	60	37	74	81	73
Winter ..	58	63	31	61	65	34	70	81	67	76	84	76
Equinox ..	97	89	55	89	85	52	117	114	120	111	110	116
Summer ..	93	81	51	91	82	48	112	104	111	114	107	107
Year ..	83	78	46	80	77	45	—	—	—	—	—	—

* For V: omitting July, November, December, 1912, and January to July, 1913.

The mean ranges in N and V were greater and the range in W slightly less than the corresponding quantities in 1921. In November and in December the mean range in each component was the least in those particular months during 1915–1922. In nine of the remaining months the mean ranges were greater than the corresponding values in 1921.

The lowest absolute range in each month occurred on the following days:—January 3rd, February 25th, March 7th, April 6th, May 3rd, June 15th, July 22nd, August 18th, September 26th, October 22nd, November 26th, December 18th, the last of these being the quietest day of the year.

In Table VIII is given the frequency distribution of ranges recorded during the year.

For the north component the interval of maximum frequency was 60–79γ, as compared with 50–69γ in 1921; and for the west 50–59γ, 70–79γ as compared with 50–69γ in 1921. The number of occasions of ranges in the interval 100–149γ was greater for both north and west components than in 1921. There were 32 days on which the range of a horizontal component was 160γ or more. The numbers of such days in 1919, 1920, 1921 were 55, 36, 27 respectively.

TABLE VIII.—FREQUENCY DISTRIBUTION OF ABSOLUTE DAILY RANGE.

Range.	Number of Cases 1922.			Percentage Distribution.					
				N.		W.		V.	
γ.	N.	W.	V.	1922.	1911-21.	1922.	1911–21.	1922.	1911–21.
0–9	0	0	21	0·0	0·0	0·0	0·0	5·8	5·8
10–19	8	3	66	2·2	2·9	0·8	2·1	18·1	18·9
20–29	21	25	79	5·8	5·7	6·8	4·9	21·7	24·2
30–39	29	31	52	7·9	7·8	8·5	7·7	14·3	14·7
40–49	34	38	34	9·3	10·4	10·4	12·0	9·3	9·0
50–59	34	46	22	9·3	13·5	12·6	13·5	6·0	5·1
60–69	44	39	16	12·1	13·4	10·7	13·6	4·4	4·7
70–79	41	47	14	11·2	9·2	12·9	11·6	3·8	3·4
80–89	20	25	12	5·5	8·1	6·8	7·8	3·3	2·5
90–99	32	28	16	8·8	5·8	7·7	6·5	4·4	2·1
100–109	19	7	7	5·2	5·3	1·9	4·7	1·9	1·0
110–119	16	17	10	4·4	3·6	4·7	3·0	2·7	1·0
120–129	17	14	3	4·7	2·8	3·8	2·3	0·8	0·8
130–139	7	14	2	1·9	2·4	3·8	1·8	0·5	0·9
140–149	8	12	0	2·2	1·4	3·3	2·0	0·0	0·6
150–159	9	3	2	2·5	1·1	0·8	1·0	0·5	0·7
160–169	9	3	2	2·5	1·0	0·8	0·7	0·5	0·5
170–179	1	4	1	0·3	0·9	1·1	1·0	0·3	0·4
180–189	0	1	2	0·0	0·8	0·3	0·6	0·5	0·5
190–199	5	4	0	1·4	0·5	1·1	0·5	0·0	0·4
200+	11	4	3	3·0	3·4	1·1	2·4	0·8	2·8
Days omitted	0	0	1	—	—	—	—	—	—

Principal Magnetic Storms during 1922.—Particulars of the principal magnetic storms recorded during the year are given in Table IX. The magnetograms for the most highly disturbed days are not published in this volume, but photographic copies may be obtained on application to the Director, Meteorological Office, Air Ministry, Kingsway, London, W.C. 2.

TABLE IX.—PRINCIPAL MAGNETIC DISTURBANCES RECORDED AT ESKDALEMUIR, 1922.

Where the beginning of a disturbance has been marked by a "sudden commencement," the serial number is followed by an asterisk (*), and the time entered in th second column is that of the sudden commencement, estimated to the nearest minute. In other cases, the exact hour nearest the time at which disturbance may b regarded as having begun is entered in the second column. To the tabulated values of maximum and minimum the following have to be added:— N, 15000 γ W, 4000 γ; V, 44000 γ.

No.	From	To.	North Component.					West Component.					Vertical Component.				
			Max.	Time.	Min.	Time.	Range	Max.	Time.	Min.	Time.	Range	Max.	Time.	Min.	Time.	Ra
	d h m	d h	γ	d h m	γ	d h m	γ	γ	d h m	γ	d h m	γ	γ	d h m	γ	d h m	
1	Jan. 8 12	Jan. 12 0	1124	8 20 31	917	8 22 15	207	807	9 0 35	611	8 22 27	196	†	†	†	†	
2	Jan. 23 21	Jan. 27 1	1121	25 17 33	887	25 6 35	234	818	24 15 59	593	24 16 59	225	1239	24 16 37	979	25 1 59	2
3	Feb. 14 17	Feb. 15 24	1047	15 5 45	927	15 10 8	120	806	15 6 35	653	14 20 19	153	1080	14 20 22	955	15 6 50	1
4	Feb. 16 3	Feb. 16 24	1071	16 19 36	919	16 7 24	152	795	16 7 18	619	16 17 11	176	1105	16 17 10	1026	16 5 9	
5	Mar. 5 8	Mar. 6 3	1117	5 16 49	907	5 22 6	210	811	5 13 41	637	5 18 1	174	1187	5 16 49	1000	5 21 51	1
6*	Mar. 10 5 9	Mar. 10 24	1067	10 5 56	946	10 8 26	121	794	10 5 10	683	10 23 4	111	1077	10 19 46	1009	10 8 45	
7	Mar. 12 6	Mar. 14 4	1055	12 23 21	889	13 12 16	166	849	13 14 33	627	13 19 49	222	1117	13 14 50	957	13 5 31	1
8	Mar. 14 7	Mar. 15 6	1125	14 19 30	875	14 9 10	250	789	14 15 7	613	14 21 15	176	1107	14 15 52	993	{14 8 35 15 1 48	1
9	Apr. 7 15	Apr. 11 6	1137	9 0 23	925	8 19 41	212	784	8 13 24	643	9 0 17	141	1068	8 19 53	934	9 4 17	1
10	Apr. 11 18	Apr. 13 4	1047	12 19 26	923	12 12 33	124	777	12 15 16	641	12 21 55	136	1022	12 16 54	895	12 1 12	1
11	Apr. 20 16	Apr. 22 16	1052	22 0 46	816	22 7 25	236	829	22 5 38	639	22 0 39	190	1049	21 19 36	879	22 5 38	1
12	May 7 8	May 9 4	1072	7 19 45	900	8 1 52	172	779	7 15 25	599	8 0 14	180	1039	8 18 40	853	8 1 22	1
13	May 9 10	May 11 6	1125	9 19 34	916	10 8 38	209	776	9 14 5	621	9 21 52	155	1046	9 18 3	942	11 0 40	1
14	May 16 12 20	May 17 8	1088	16 19 28	944	16 17 0	144	809	16 15 58	634	16 23 23	175	1112	16 19 11	950	17 0 25	1
15	June 4 20	June 6 4	1123	5 17 39	929	5 9 35	194	778	5 19 30	678	5 6 28	100	1058	5 17 21	981	6 0 50	
16*	June 16 16 33	June 17 6	1123	16 19 0	932	17 1 31	191	811	17 1 40	679	17 2 26	132	1099	16 20 21	952	17 1 52	1
17	June 28 10	July 4 0	1119	29 20 35	922	29 10 10	197	810	30 13 53	637	29 21 12	173	1111	30 14 33	955	29 1 31	1
18	July 26 12	July 29 8	1095	26 17 40	887	28 2 14	208	795	26 18 9	629	28 1 58	166	1115	26 18 43	887	28 2 41	2
19	Aug. 11 8	Aug. 14 23	1106	14 20 46	906	12 4 50	200	821	11 14 28	619	14 20 40	202	1135	11 16 49	945	13 1 48	1
20	Sept. 7 6	Sept. 8 4	1146	7 17 9	941	7 14 58	205	756	7 13 37	612	7 17 0	144	1089	7 17 0	986	{7 8 45 7 12 0	1
21	Sept. 8 9	Sept. 10 24	1157	8 19 20	910	8 10 5	247	796	8 13 29	601	8 19 13	195	1044	8 17 9	945	9 1 22	
22	Sept. 13 23	Sept. 15 6	1147	14 17 19	802	14 21 9	345	800	14 15 20	539	14 21 54	261	1214	14 17 22	884	14 21 34	3
23*	Oct. 2 13 17	Oct. 3 8	1038	2 23 31	981	2 15 30	57	741	2 13 38	656	2 18 20	85	1020	2 18 33	966	2 23 49	
24	Oct. 4 22	Oct. 6 4	1093	5 22 12	892	5 12 31	201	803	5 15 45	609	5 18 51	194	1219	5 16 54	944	5 22 31	2
25	Oct. 30 18	Nov. 1 4	1120	31 20 18	929	31 12 6	191	806	31 5 21	584	31 20 5	222	1066	31 17 11	934	31 5 31	1
26*	Dec. 9 21 53	Dec. 11 6	1025	9 21 55	970	10 15 21	55	723	10 14 10	659	10 20 27	64	973	10 18 15	953	10 12 18	

†No record 8d 10h to 9d 10h.

Remarks on the Autographic records, 1922.—*January.*—Quiet conditions prevailed until the 6th. Moderate disturbance began on the evening of that day and continued until about noon on the 7th. Disturbance began again in the early evening of the 8th and continued throughout the 9th and 10th. A sharp tooth-like maximum on N occurred at 8d 20h 30m. There was a similarity in the character of the changes, particularly on N, between 18h 15m and 22h on 9th and between 16h 50m and 22h on 10th. A quiet period ensued from 12th to 15th. A peak in N at 17d oh 10m was a prominent feature of the disturbed period which began shortly after 9h on 16th. Between 17d. oh 0m and 17d oh 10m N increased by 150γ. Moderate disturbance continued throughout 17th, 18th, 19th, being in evidence chiefly in the evening hours of the two latter days. Apart from a very moderate movement, somewhat reminiscent of a slow "sudden commencement," at 21d 23h 10m, conditions were very quiet on 21st and 22nd. The most important disturbance of the month began at about 21h on 23rd, the maximum in V occurring at 24d 16h 45m. Well marked oscillatory movements occurred on all components between 17h and 19h on 24th. A sharp decrease in V beginning at 24d 22h 20m was associated with increase in N and W. Disturbance continued intermittently until the early part of the 27th. Between 17h 22m and 18h on 25th, during moderate disturbance, a suddenly commencing double tooth-like or oscillatory movement occurred, being most developed on N and W, particularly on the former. In the 12 minutes between the time of commencement and the first peak N increased by 170γ. On constructing vector diagrams for the force changes between 17h 22m and 17h 56m it is found (*a*) that in the horizontal plane, viewed from above, the vector describes counter-clockwise a double closed circuit, the second circuit being considerably less in extent than the first, and in each circuit the maximum change in N is associated with zero change in W, (*b*) that in the meridian plane, viewed from the east, the vector traces counter-clockwise two open loops, and (*c*) that in the prime vertical plane, viewed from north, the vector traces clockwise closed and open loops. At 30d 23h 34m there was a rather doubtful "sudden commencement," but the subsequent disturbance was of a relatively moderate character. The minimum on V was only very slightly below the normal value.

Short period pulsations of small amplitude occurred, chiefly on N, between 12h and 14h on 1st, between 8h and 9h, 17h and 20h on 2nd, between 9h and 15h on 14th and between 16h and 20h on 30th.

February.—Disturbance was more general in the first than in the second half of the month. Well marked tooth-like projections centred at 1d 21h 40m occurred on N and W, the associated movements on the latter being of longer duration than on the former. Moderately large disturbance commenced about 3d 9h and continued for at least 24 hours. A somewhat noteworthy movement in N occurred on 4th. Between 22h 45m and 23h 4m N increased by 90γ and then decreased more slowly, but fairly regularly, and reached its undisturbed value shortly after 24h. W decreased at first, but had returned to the undisturbed value by 23h 10m. V decreased slowly and recovery did not set in until 24h. Generally disturbed conditions prevailed on 8th, 9th and during the first part of 10th. On 9th there were two moderately developed maxima in V, at 14h 17m and 17h 14m. In the disturbances of the 12th and 14th there is a resemblance between the minima in W which occurred between 20h and 21h on each occasion, and also between the maxima in V at approximately the same times. In the second of these disturbances V did not reach its minimum until about 15d 7h. After a quiet period lasting from 22nd to 25th, conditions became moderately disturbed on 26th and 27th. A bay shaped movement on W, centred at 28d 21h 30m, and accompanied by increase in V, was the first prominent part of the disturbance which continued until March 3d 2h.

March was one of the three most highly disturbed months of the year. The disturbance which terminated somewhat abruptly at 3d 2h was followed by another in which the principal movements were confined to the period between 3d 18h and

4d 4h. Pulsations of short period were in evidence on N between 10h and 16h on 4th. A storm of only moderate magnitude lasted from 5d. 8h until the early hours of 6th, the largest and most rapid changes in N and W occurring between 16h and 19h on 5th, the interval during which V attained its maximum. A well developed "sudden commencement" occurred at 10d 5h 9m, preliminary negative movements being shown on N and W. The magnitudes of the principal changes were $+54\gamma$, $+78\gamma$ and -5γ on N, W and V respectively. The ensuing disturbance was very moderate in character and had almost entirely subsided by 11d 0h. V reached a not very pronounced minimum in the early part of the storm. The period 12th–14th was one of almost continuous disturbance, the greatest activity being developed on 14th which was among the most highly disturbed days of the year. During the remainder of the month there was a considerable amount of general disturbance, only one day, viz., 24th, being conspicuously quiet.

April was a month of moderate general disturbance. The disturbance which was at its maximum development on March 30th did not entirely subside until April 2nd. The period 3rd to 7th was the quietest in the month. Shortly after 7d 15h there began slight agitation, which may have been associated with the generally disturbed conditions which developed on 8th and continued for several days. The largest and most rapid changes in N occurred between 19h and 20h on 8th, 0h and 2h on 9th, 22h and 23h on 10th. A somewhat insignificant maximum in V shortly after 11d 20h was followed by a well defined minimum near 12d 1h, the subsequent recovery to normal being regular and of short duration. Disturbance which began gradually after 20d 15h reached its greatest development in the late hours of 21st and the early hours of 22nd. V fell to a well marked minimum about 22d 0h 30m, made a rapid recovery and then fell to a slightly lower minimum at 22d 5h 30m. The largest movements on N occurred between 21d 23h and 22d 9h. After a relatively quiet interval, lasting for about 14 hours from noon on 22nd, there was a further increase in activity, and the remainder of the month was characterised by general disturbance. Prominent movements on N and W occurred near 23d 20h and 27d 21h.

May.—The first four and last three days were quiet. Activity was greatest from 7th to 10th, 16th to 17th, 21st to 26th. During the disturbance of 7th–8th a peak maximum in N at 7d 19h 45m was followed by three others, in descending order of magnitude, at 7d 21h 6m, 7d 22h 26m, 7d 23h 42m, the separating intervals thus ranging from 76–81 minutes. Between 7d 20h 50m and 7d 21h 30m V decreased by 72γ, then increased by 35γ to 7d 22h 10m, and afterwards fell irregularly to the principal minimum at 8d 1h 20m, the subsequent recovery being irregular and continuing until 8d 8h. The disturbance of 16th began at 12h 20m with a movement, on all three components, which may be described as the reverse of a rather slow "sudden commencement." In 17 minutes, beginning 16d 18h 58m, W decreased by 145γ. In the interval 16d 18h 58m to 16d 19h 13m N decreased by 74γ and then increased by 113γ. V reached a sharp peak maximum at 16d 19h 13–14m. Oscillations in N of several minutes period are noticeable in the disturbance on 21st, and to a less extent on 22nd, 23rd. A small movement resembling a sudden commencement occurred at 28d 13h 26m, but the subsequent disturbance was extremely slight.

June.—During the disturbance on 2nd–3rd N reached a maximum at 2d 18h 3m, a sharp increase of 91γ occurring between 17h 35m and 18h 3m. Between 3d 0h 40m and 3d 1h 10m V decreased steeply by 60γ to a sharp minimum at the latter time. Somewhat pronounced movements in N and W were associated with the fall in V. There is considerable resemblance between movements which began with an increase in N at 3d 20h 50m and 4d 20h 15m, and between the movements which began with a decrease in W at 3d 20h 35m and 4d 20h 10m. There was an increase in activity on 5th, one of the most disturbed days of the month, but the only prominent movement was an increase of 113γ in N between 5d 17h 10m and 5d 17h 40m. A number of sharp but not very large oscillations occurred between 12h and 16h of the same day.

A noticeable sharp tooth-like movement, on which were superimposed small oscillations, occurred on N between 13d 22h 51m and 13d 23h 12m, N increasing by 60γ in the six minutes commencing at 22h 51m. The associated movements in W were in the opposite direction‡ and smaller, but show the superimposed oscillations. V decreased by about 12γ during the increase in N. At 16d 15h 3m occurred a rather small movement having resemblance to a "sudden commencement," but it was not well developed in W or V. At 16d 16h 33m there followed a similar but much more conspicuous movement marking the beginning of disturbance which continued until 17d 4h. A very sharp minimum in N occurred at 17d 1h 32m, two prominent peaks in W at 17d 0h 33m and 17d 1h 40m, whilst the minimum in V occurred at 17d 1h 50m. Moderate disturbance developed after 17d 12h and continued until about 19d 0h. The quietest period of the latter part of the month was 24th–26th. Increased activity occurred on 29th and 30th. V fell to a very sharp minimum at 29d 1h 30m, and large double movements in N and W took place between 20h and 22h on 29th.

July.—The disturbed period which began at the end of June persisted until July 3rd, and other periods of disturbance occurred at the middle and towards the end of the month. Well marked peaks in N and W occurred a few minutes after 16d 16h, and in N at 16d 19h 5m. Associated with the minimum in V centred at 16d 23h 30m was a double oscillation in N, the times of maximum and minimum and the range being 23h, 23h 45m, 103γ respectively. A prominent feature of the disturbance which developed after 26d 12h was a rapid fall of 139γ in W from 21h 30m to a minimum at 21h 53m, followed by a rather more gradual rise extending over more than an hour. The disturbed conditions continued until 30th. At 28d 2h 12m there was a sharp minimum in N, preceded by a fall of 120γ in 20 minutes, and a sharp minimum in V occurred at 28d 2h 40m. Between 17h 40m and 18h on 29th N increased by 108γ.

August.—The activity of the month was slightly below the average for the year. The most disturbed period was from 10th to 14th. Very quiet conditions prevailed on 17th and 18th. Moderate disturbance, on 9th and 10th, preceded the greater activity which began about 11d 8h and continued until 14d 22h. General activity was greatest on 11th. The minimum in V near 11d 24h was associated with a peak in W. A somewhat steep fall of 90γ in N took place between 12d 4h 10m and 12d 4h 50m, the subsequent recovery to undisturbed value extending from the latter time to 12d 6h. On 13th a prominent sharp peak in N occurred at 23h 5m, N being then about 80γ above the undisturbed value. Noticeable movements occurred in N and W between 20h and 21h on 14th. The principal changes were (*a*) N, 20h 30m to 20h 46m, + 111γ; 20h 46m to 21h 2m, − 89γ; (*b*) W, 20h 13m to 20h 40m, − 96γ; 20h 40m to 20h 54m, + 96γ. There were bay shaped movements with rather sharp turning points, positively directed in N and negatively directed in W, centring at 30d 21h 20m and 30d 21h 12m respectively.

September.—Apart from the large disturbance on 14th the general activity during the month was not particularly high. After six relatively quiet days, moderate disturbance prevailed from 7th to 10th. During 7th the largest movements in N and W were associated with the maximum in V between 16h and 18h, the range in N being 186γ. Between 8d 19h and 20h there were movements in N and W which resembled those which occurred between August 14d 20h and 21h. The principal changes were (*a*) N, 19h 9m to 19h 21m, + 155γ; 19h 21m to 19h 35m, − 132γ; (*b*) W, 19h 3m to 19h 16m, − 91γ; 19h 16m to 19h 30m, + 123γ. V decreased by 20γ between 19h 15m and 19h 25m and continued to decrease until 20h.

The most severe storm of the year commenced shortly before midnight on 13d and continued until 15d 4h. The principal maximum in V occurred at 14d 17h 23m and was followed in the ensuing 13 minutes by a rapid fall of 130γ. Small oscillations, but no large change, occurred between 18h and 20h 30m. A further rapid decrease

‡ *i.e.* W decreased and then increased.

in V amounting to 150γ took place in the 15 minutes commencing 20h 40m. The minimum in V was marked by oscillations. On N and W the largest movements occurred in the periods 14h to 18h and 20h 40m to 24h. During the latter interval the ranges in N and W amounted to 314γ and 197γ respectively. It is to be noted that during the interval 18h to 20h 40m there were no large changes in any component. Between 20d 19h and 21h the ranges of movements in N and W amounted to 103γ and 136γ respectively, while the range of an incomplete double oscillation in N extending from 20d 23h to 21d 1h 40m was 110γ. A rather large and asymmetrical bay-like movement in V between 30d 1h and 4h was associated with a double wave in W, range 123γ. An isolated bay, negative, in W was centred at 4d 19h 40m.

October.—The comparatively slight disturbance on 2nd was preceded by a small " sudden commencement " at 13h 7m. A rather prominent peak in N was centred at 3d 20h 23m. The second largest disturbance of the year began shortly after 4d 22h. Large undulatory movements extended throughout the early part of 5th, the more rapid changes in N and W being confined to the period 5d 11h to 5d 23h. The movements of greatest range in N and W, viz., 166γ and 133γ respectively, occurred near 5d 19h, while V decreased to a secondary minimum. The principal minimum in V occurred near 5d 22h 30m and was accompanied by rapid movements in N and W. There was a recrudescence of disturbance from 6d 6h, and the activity on this and the two following days was well in excess of the average for the month. Prominent movements were as follows :–N, 6d 16h 30m to 16h 40m, + 142γ ; 7d 17h 0m to 17h 18m, + 93γ ; 7d 20h 16m to 20h 26m, + 113γ ; 8d 20h 50m to 21h 2m, + 98γ ; W, 6d 16h 25m to 16h 33m, − 80γ ; 6d 16h 33m to 16h 50m, + 80γ ; 7d 17h 0m to 17h 11m, − 64γ ; 7d 17h 11m to 17h 40m, + 75γ ; 7d 20h 16m to 20h 22m, − 59γ ; 7d 20h 22m to 20h 30m, + 80γ. During the very moderate disturbance of 20th V reached a maximum near 18h 40m, while between 18h 15m and 18h 40m W decreased by 107γ, the subsequent recovery to the undisturbed value lasting from 18h 50m to 19h 30m. A less conspicuous minimum, in N, occurred at 18h 30m. On 24th a noticeable bay-shaped minimum in W, centred at 17h 10m, was accompanied by a not very pronounced maximum in V. Pulsations of small amplitude and 2 or 3 minutes period occurred as follow :—12d 23h to 13d 1h in N and W ; near 13d 23h in N and W ; near 16d 4h and 22d 22h in N. Bays centring as follows may be noticed :–N : +, 13d 20h 17m ; −, 14d 14h 40m ; +, 15d 18h 22m ; +, 20d 23h 10m ; −, 21d 6h 40m ; W : −, 13d 20h 10m ; −, 15d 18h 13m.*

A disturbance which did not finally subside until November 4th, developed after 30d 18h. V reached a rather inconspicuous maximum soon after 30d 20h, the main maximum occurring at 31d 17h 12m. The maximum in N occurred at 31d 20h 18m, being preceded by a rise of 122γ in 18 minutes.

November was, next to December, the quietest month of the year, the principal disturbances being during the first three days, on 10th, and during the last four days. Particularly quiet conditions prevailed on 26th.

Between 14h and 16h on 3rd V rose to and declined from a rounded maximum centred at 14h 50m. In the same period a bay shaped movement occurred in W, the minimum at 14h 40m being about 80γ below the assumed undisturbed value. N decreased irregularly by 44γ from 14h 8m to 14h 25m, then increased steeply, by 73γ, to 14h 30m, thereafter falling irregularly to approximately the undisturbed value at 15h 20m.

In an otherwise comparatively quiet period a prominent maximum in V occurred at 10d 17h 40m. It was preceded by an increase of 65γ in 40 minutes and followed by a more gradual fall, lasting until 19h 20m, to approximately the normal value. Between 17h 7m and 17h 40m W fell by 133γ to a minimum, afterwards, between 17h 46m and 18h 30m, increasing by 96γ. The associated changes in N were less simple, the principal feature being a minimum at 17h 22m.

A small bay in W, negative, centred at 11d 21h 4m, was apparently repeated in another centred at 12d 19h 5m.

* The + sign denotes that the values of N, or of W throughout the bay movement were above the normal or undisturbed values. Conversely for the − sign.

A small " sudden commencement " occurred at 14d 15h 27m, but the subsequent disturbance, which did not develop until after 15d 12h, was extremely slight. Disturbance developed after 27d 18h and continued until the end of the month.

December.—There was no day to which the highest " magnetic character " figure was assigned. The 18th was the quietest day of the year. A sudden commencement (N, + 27γ; W, + 23γ; V, − 4γ) occurred at 9d 21h 53m, being followed by a disturbance, comparatively slight in character, which continued until 11d 5h. A peculiar movement in W, chiefly in the negative direction and consisting of two minima and a maximum, occurred between 11d 21h 40m and 12d 1h, the range being 107γ. A considerable bay shaped movement, negative, in W centred at 14d 19h 30m appears to be repeated, on a much smaller scale, in another centred at 15d 19h 5m, and each of these movements was associated with a maximum in V.

SEISMOLOGY.

Notes on Equipment.—There are three Galitzin pendulums, with galvanometric registration, arranged to record earth displacements in the north, east and vertical directions. The installation is situated in ground floor rooms of the principal building of the Observatory, the pendulums being placed on massive concrete pillars which extend down to boulder clay and are independent of the floor.

For detailed descriptions of the Galitzin seismographs and for particulars of the interpretation of the records, reference may be made to *Vorlesungen über Seismometrie* by the late Prince B. Galitzin, to *Modern Seismology* by the late G. W. Walker, or to " *Dictionary of Applied Physics*, Vol. III.

No determination of the constants of the instruments was made in 1922, but it is considered that no serious error has been introduced by using the values found in 1915 and 1916 (see *British Meteorological and Magnetic Year Book*, 1915). It may be stated that the Galitzin vertical pendulum is particularly sensitive to temperature changes, and as the temperature variation in the room is fairly considerable frequent adjustments of the pendulum are necessary. For this reason the records from this instrument are regarded as only qualitative in certain respects. At the same time it must be noted that the vertical record is an important factor in the determination of an epicentre from the records of an earthquake at a single station.

The situation of the Observatory is such that the effect of wind produces undesirably large disturbances on the records, and on occasions the reading of an earthquake record is rendered quite impossible by the large and more or less irregular but persistent wind disturbance.

During 1922 the clockwork recording drums gave considerable trouble and in consequence of this many records were lost or spoiled.

Earthquakes.—The Earthquake Diary, Table 269, contains the particulars of the earthquakes recorded by the Galitzin instruments. The notation employed is as follows :—

P is the time of arrival of the first phase (longitudinal waves). S is the time of arrival of the second phase (transverse waves). L is the time of arrival of the long waves (surface waves).

PR_1, PR_2 . . . are longitudinal waves reflected once, twice . . . at the earth's surface, prior to their arrival at the station. SR_1, SR_2 . . . similarly denote reflected transverse waves. Any times given for reflected waves refer to the beginning of the disturbance at the observatory.

M_1, M_2 . . . are the times of successive maxima of the displacement of the ground, corrected, if necessary, for the lag of the instrument.

i is the sudden commencement of a phase. *i*P means a sudden commencement of the P phase. *e* means an indistinct commencement of a phase. F is the end.

T, the period in seconds, is the duration of a double oscillation (to-and-fro movement). μ represents a micron (0·001 mm.).

Δ is the distance in kilometres of the epicentre measured along the arc of the great circle passing through the station. α is the azimuth of the epicentre (0° to 360°) measured from north through east. The distance is estimated from Klotz's *Seismological Tables* (Publication of the Dominion Observatory, Ottawa, Vol. III, No. 2), which are also used for computing the time at which the disturbance originated. This time of origination is denoted by the letter O.

A_x, A_z are the amplitudes of the components of the true displacement of the ground from the position of rest, and are measured in microns. When the displacement shown by the north-south seismograph is to the north a + sign is shown; for a displacement to the south a — sign is used. Similarly + is used for displacement to the east, — for displacements to the west. When the oscillations are of a simple harmonic character no sign is prefixed to the amplitude. (For reasons mentioned in the foregoing, values of A_z are not given.)

The suffixes N, E, Z indicate that the estimates refer to the records from the north-south, east-west and vertical seismographs respectively.

Microseisms.—Microseisms are the small and often extremely regular tremors which are practically always in evidence on the seismograph records. The periods range to something more than 8 seconds, and the larger periods are generally associated with larger amplitude. At Eskdalemuir the amplitudes are usually confined to the range 0 to 8μ. These minute tremors attain their greatest development in the winter months, and on occasion render the interpretation of earthquake records exceedingly difficult and sometimes impossible. Microseisms of the type referred to are believed to arise from other than purely local causes, but the precise nature of their origin remains in doubt. Although their period corresponds with that of sea waves there is evidence that the breaking of the latter on coasts does not afford a complete and satisfactory explanation of the known facts with regard to microseismic movement. There is evidence of a relationship between the travel of cyclonic disturbances in eastern seas and microseismic movement in China and Japan, and evidence of a somewhat similar nature has been adduced in favour of a connection between microseismic movement and atmospheric pressure gradient in Europe and Canada.

In Table 270 are given the amplitude and period of the microseisms shown by the North component Galitzin seismograph on each day at 0h, 6h, 12h and 18h. The group of waves of greatest amplitude occurring in the 30 minutes centering at the hour in question is selected, and the amplitude tabulated is the mean obtained from two or three waves in that group. The period is derived from a measurement made in the same group.

In computing the mean period occasions of zero amplitude are omitted. For reasons already mentioned there were no records on a number of days.

The mean values of amplitude and period for each month of 1922, together with the means for the years 1911–21 are given below.

MICROSEISMS. MONTHLY MEANS.

		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1922	Amplitude μ ..	2·6	2·3	1·5	1·2	0·8	0·7	0·6	0·5	0·9	0·9	1·4	2·6
	Period (secs.) ..	6·3	6·4	5·7	5·1	4·7	4·8	4·2	4·4	5·0	5·2	5·3	6·3
1911 to 1921	Amplitude μ ..	2·5	2·3	1·9	1·2	0·7	0·5	0·3	0·5	0·9	1·3*	1·9*	2·3*
	Period (secs.) ..	6·0	6·0	5·7	5·3	4·8	4·5	4·3	4·4	5·0	5·2*	5·7*	5·9*

1922 : Amplitude 1·3, Period 5·3. 1911–1921 : Amplitude 1·3,* Period 5·2.*

* Mean for 10 years only.

Readings in millibars at exact hours, Greenwich Mean Time.

97. Eskdalemuir : H_b (height of barometer cistern above M.S.L.) =237·3 metres. **January, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	986·7	984·2	981·4	981·2	980·4	979·8	978·8	978·1	977·1	976·4	977·1	977·2	976·5	976·1	976·3	977·3	976·9	977·3	977·2	977·4	976·8	976·0	975·5	974·8	978·5
2	973·1	972·2	971·4	970·3	970·1	970·0	970·3	971·4	972·7	973·3	974·4	974·8	975·9	976·3	976·8	977·3	978·3	979·2	980·5	980·6	980·9	980·8	980·9	981·9	975·4
3	981·9	981·5	981·8	982·1	982·1	981·2	980·5	980·8	981·2	980·8	980·8	980·5	980·1	980·5	980·8	981·2	981·6	982·5	983·0	983·8	984·1	984·5	985·4	985·9	981·9
4	986·0	986·5	987·0	987·1	987·6	987·8	988·1	988·5	988·6	988·5	988·2	987·7	987·3	987·1	986·9	987·2	987·6	988·1	988·2	988·0	988·4	988·5	988·6	988·6	987·7
5	988·5	988·9	989·2	989·9	989·8	989·8	990·4	990·5	990·9	990·8	990·9	990·5	989·6	989·2	989·0	988·8	988·3	988·0	987·6	987·1	986·5	986·0	985·8	984·8	988·9
6	984·3	984·0	983·6	983·1	982·7	982·3	981·9	981·6	982·1	981·8	981·8	981·4	980·8	980·6	980·5	980·2	980·1	979·7	979·9	979·8	979·6	979·5	979·2	978·8	981·3
7	978·6	978·1	978·1	977·7	977·2	977·1	977·2	977·2	977·7	977·6	978·2	978·1	977·9	977·9	977·7	977·9	978·2	977·8	977·6	977·3	976·8	975·7	974·6	973·4	977·4
8	971·7	969·9	968·7	967·3	965·4	964·4	964·6	965·7	966·7	967·8	969·0	970·4	971·1	971·5	972·4	973·4	974·2	974·8	975·5	976·1	976·4	976·5	976·9	977·3	971·1
9	976·6	976·3	975·2	973·9	973·0	971·9	971·7	971·7	971·7	971·6	971·4	970·7	970·7	971·6	972·3	973·7	974·5	975·7	976·6	978·1	979·1	980·3	981·2	982·1	974·6
10	982·8	983·9	984·4	985·0	985·6	985·8	986·0	986·6	986·8	987·4	987·8	987·8	988·5	988·7	989·1	989·7	990·2	990·4	990·8	991·4	991·9	992·0	991·9	992·6	988·0
11	992·5	992·3	992·4	992·1	991·7	991·3	990·8	990·4	989·8	988·8	988·9	988·7	988·9	989·0	989·2	990·2	991·5	993·3	994·8	995·4	996·3	996·9	997·8	998·3	992·0
12	999·5	999·5	000·2	000·3	000·7	000·9	001·4	001·0	001·1	001·1	001·0	000·3	000·0	999·3	998·8	998·4	997·9	997·5	996·8	996·5	996·3	995·7	995·2	994·5	**999·0**
13	993·9	993·0	992·8	992·0	991·7	991·1	990·6	990·5	990·4	990·6	990·3	989·5	988·5	988·2	987·6	986·8	986·7	986·1	985·5	985·3	985·1	984·7	984·6	984·0	989·0
14	984·5	984·8	985·3	985·6	986·1	986·4	987·1	988·0	988·9	989·4	989·7	989·5	989·9	990·1	990·1	990·2	990·4	990·5	990·4	990·3	990·3	989·6	989·2	988·6	988·5
15	987·7	986·6	985·4	983·6	981·8	980·2	978·8	976·7	974·8	972·6	970·1	967·5	964·5	962·2	960·3	958·6	957·6	956·7	955·6	954·6	954·2	953·5	953·2	953·1	968·7
16	953·2	953·1	953·3	953·6	953·8	954·3	955·1	955·9	956·4	956·7	956·9	957·7	957·9	958·5	959·0	959·7	960·3	961·0	961·7	962·4	963·0	963·5	964·0	964·8	**957·9**
17	965·1	965·8	966·4	966·8	967·2	967·8	968·5	969·1	970·2	971·0	971·4	971·9	972·3	972·7	973·0	973·6	974·3	974·5	975·0	975·6	975·7	975·8	976·0	975·9	971·3
18	975·5	974·9	974·3	973·6	972·8	971·7	970·7	969·8	969·0	967·0	966·6	965·9	965·7	966·1	966·9	967·5	968·3	968·8	969·4	969·8	970·0	969·9	970·1	969·5	969·9
19	969·4	968·8	968·5	967·6	966·7	966·4	965·6	965·1	964·7	964·4	964·3	963·9	963·9	964·1	964·7	965·7	967·0	968·0	968·7	969·1	969·4	970·2	970·5	970·7	967·0
20	971·0	971·6	971·7	971·6	971·8	971·9	972·2	972·5	972·9	973·2	973·4	973·8	973·8	974·2	974·7	974·9	975·1	975·2	975·4	975·4	975·3	974·9	974·3	974·0	973·5
21	973·4	972·8	972·5	971·5	971·0	970·2	969·5	968·8	968·1	967·8	967·2	967·2	967·5	968·0	969·0	970·2	971·3	972·8	974·1	975·3	976·7	977·7	978·8	979·8	971·6
22	980·2	981·4	982·4	983·3	983·7	984·6	985·9	986·7	987·4	988·1	988·6	988·8	988·8	989·0	989·4	989·5	989·7	990·2	990·4	990·6	991·2	991·6	991·9	992·3	987·5
23	992·5	992·8	993·1	993·4	993·6	993·8	994·4	995·2	995·8	995·9	995·8	995·7	995·6	995·5	995·6	995·6	995·8	995·8	995·6	995·9	995·9	996·5	996·4	996·4	995·0
24	996·4	995·5	995·8	995·1	994·8	993·9	993·0	993·8	993·2	992·8	992·6	991·7	990·9	990·0	989·1	988·7	987·6	987·4	986·6	985·7	984·7	984·1	983·1	982·0	990·7
25	981·1	980·4	979·7	979·4	978·6	978·4	978·2	977·5	977·7	977·4	975·9	975·3	974·9	974·7	974·6	974·7	974·8	974·6	974·5	974·6	974·2	973·5	973·9	974·7	976·5
26	973·9	974·7	975·5	976·1	977·3	978·5	979·5	980·6	981·3	981·9	982·4	982·6	982·7	982·6	982·5	983·2	983·2	983·4	983·5	983·6	983·6	983·5	983·4	983·3	980·8
27	982·7	982·3	981·9	981·1	980·7	980·2	979·6	979·4	979·4	978·9	978·6	977·7	976·3	975·3	975·2	974·2	973·6	972·1	970·4	971·1	970·8	969·9	969·1	968·6	976·5
28	967·7	967·5	967·8	967·0	966·7	966·8	966·7	966·2	966·6	966·3	966·2	966·2	966·1	966·3	966·4	966·7	967·1	967·4	967·7	967·9	967·9	967·7	967·7	967·7	967·0
29	967·6	967·2	966·8	966·2	965·8	965·6	965·5	965·1	965·2	965·3	965·4	965·1	964·7	964·9	964·8	964·8	965·0	965·1	965·2	965·2	965·3	965·4	965·6	965·6	965·6
30	965·5	965·7	965·6	965·5	965·2	965·3	965·3	965·5	965·6	965·5	965·7	965·4	965·0	964·8	964·5	964·5	964·5	964·2	964·0	964·0	963·7	963·3	963·0	962·7	964·8
31	962·4	962·2	962·3	962·4	962·4	962·8	963·4	963·9	964·3	964·7	965·1	965·2	965·2	965·2	965·5	965·9	966·2	966·8	967·4	967·6	968·2	968·5	968·9	969·2	965·1
Mean (Station level)	**978** ·**90**	978 ·66	978 ·53	978 ·24	978 ·00	977 ·81	977 ·81	977 ·87	978 ·01	977 ·93	977 ·93	977 ·70	977 ·47	**977** ·**43**	977 ·51	977 ·75	977 ·99	978 ·22	978 ·37	978 ·57	978 ·66	978 ·50	978 ·60	978 ·61	978 ·14
Mean (Sea-level)	**1008** ·**27**	1008 ·01	1007 ·86	1007 ·55	1007 ·30	1007 ·10	1007 ·09	1007 ·15	1007 ·30	1007 ·19	1007 ·16	1006 ·88	1006 ·63	**1006** ·**59**	1006 ·71	1007 ·00	1007 ·29	1007 ·56	1007 ·72	1007 ·97	1008 ·07	1007 ·99	1008 ·00	1008 ·00	1007 ·44

98. Eskdalemuir : H_b=237·3 metres. **February, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	969·5	970·1	970·3	970·7	971·3	971·7	972·2	973·5	974·5	974·9	975·3	975·6	976·1	976·1	976·5	977·1	977·4	977·5	977·9	978·0	977·9	977·8	977·7	977·4	974·7
2	976·5	975·7	974·7	973·5	972·1	971·0	969·5	967·9	966·6	965·0	964·1	962·8	961·5	960·1	959·3	958·4	957·9	957·6	957·2	956·6	956·5	956·2	955·8	955·7	964·3
3	955·1	955·0	954·6	954·2	954·1	953·7	953·9	954·1	954·5	955·3	956·3	957·0	957·7	958·4	959·2	960·2	961·1	962·1	963·0	963·9	964·7	965·4	966·4	967·5	**958·4**
4	968·1	968·8	969·4	970·3	970·8	971·7	972·7	973·5	974·3	975·2	976·0	976·4	977·0	977·4	978·2	979·0	979·8	980·9	981·5	982·2	983·2	984·1	984·9	985·7	976·3
5	985·9	986·6	987·0	987·7	988·0	988·5	989·2	989·9	990·5	991·2	991·8	991·8	992·0	992·1	992·1	992·9	993·9	993·9	994·4	994·6	994·9	995·2	995·4	995·4	991·3
6	995·3	995·2	994·8	995·1	995·1	995·1	995·0	995·2	995·4	995·4	995·0	994·6	994·3	993·8	993·7	993·6	993·6	993·6	993·5	993·2	993·0	993·0	992·9	992·5	994·3
7	992·0	991·7	991·6	991·1	991·2	991·2	991·1	990·8	990·6	990·7	990·4	989·7	989·3	988·3	987·8	987·7	987·5	987·2	987·0	986·8	986·6	986·6	986·8	986·9	989·3
8	986·6	986·6	986·4	986·7	987·0	987·2	987·5	988·4	988·9	989·3	989·9	990·1	990·3	990·5	991·0	991·4	991·9	992·5	992·8	993·3	993·6	994·1	994·5	994·5	990·1
9	994·7	994·4	994·3	994·6	994·7	994·8	994·8	995·7	996·2	996·3	996·8	997·0	997·0	997·1	997·3	996·9	997·1	997·4	997·6	998·0	998·1	998·3	998·4	998·6	996·4
10	998·4	998·2	998·0	998·6	998·1	998·5	998·7	999·5	999·7	000·1	999·8	000·2	999·5	999·5	999·3	999·1	999·1	999·7	999·8	999·8	000·0	000·3	000·3	000·2	**999·3**
11	000·1	999·9	999·5	999·1	998·8	998·8	998·9	998·8	998·9	998·7	998·5	998·3	998·0	997·4	996·8	996·2	995·8	995·9	995·6	995·7	995·5	995·3	995·1	994·8	997·6
12	994·5	994·1	993·5	993·1	992·4	991·8	991·3	991·4	990·4	989·7	989·1	988·4	987·7	986·9	985·7	984·7	983·6	982·4	981·4	981·1	980·4	980·0	979·5	979·6	987·5
13	979·5	979·5	979·8	979·8	979·6	979·9	980·5	980·8	980·9	980·8	981·0	981·1	981·3	981·0	981·2	982·2	982·5	983·4	984·2	984·9	985·7	986·7	987·0	987·4	982·0
14	987·4	987·7	987·5	987·5	987·6	988·0	988·3	988·6	988·7	989·0	989·1	988·9	988·7	988·5	988·5	988·5	988·3	988·1	988·1	987·9	987·7	987·3	986·6	985·9	988·1
15	985·4	984·1	983·1	982·0	981·4	980·2	979·5	978·9	978·7	978·5	978·3	978·0	977·8	977·8	977·8	977·7	977·9	977·7	977·8	977·9	977·8	977·6	977·3	976·9	979·4
16	976·6	976·0	975·4	974·5	974·0	973·7	973·5	973·4	973·6	973·5	973·2	972·8	973·2	973·0	973·1	973·3	973·5	974·1	974·5	974·9	975·3	975·4	975·5	975·6	974·3
17	975·3	975·5	975·2	974·5	973·9	973·8	973·7	973·2	972·9	971·8	971·2	970·4	969·3	968·3	967·4	965·9	965·0	964·8	964·9	965·3	965·6	965·7	965·6	965·4	970·0
18	964·5	964·1	963·5	963·4	963·0	963·6	963·7	964·0	965·2	965·7	966·6	967·4	968·2	968·6	969·6	970·3	971·7	972·4	973·1	974·0	974·7	974·9	975·5	975·8	968·2
19	975·3	975·0	974·7	974·2	973·5	972·7	972·0	971·4	970·3	969·4	968·0	966·5	964·8	963·1	961·4	960·1	960·6	961·1	961·3	961·2	962·2	962·8	963·9	964·8	967·3
20	965·9	966·1	966·4	966·7	966·8	967·3	967·6	968·2	968·9	969·0	969·6	969·5	969·5	969·5	969·5	969·0	968·7	968·3	968·3	968·4	967·5	967·0	966·4	966·1	967·9
21	965·2	964·1	962·4	960·7	959·4	958·1	957·1	956·1	955·7	955·8	955·2	955·5	955·1	956·5	957·8	958·2	958·3	958·9	959·2	959·3	959·3	959·2	959·6	959·4	958·7
22	959·2	958·9	958·3	957·6	957·7	957·3	958·1	958·2	958·6	959·4	960·5	961·8	963·2	963·9	964·7	965·4	966·2	967·0	967·5	967·4	967·1	966·7	966·3	965·6	962·2
23	965·0	964·1	964·2	964·8	966·3	967·9	969·3	971·0	972·7	973·6	974·8	975·4	976·0	976·8	977·5	978·0	978·4	978·9	979·3	979·3	979·8	980·1	980·5	980·5	973·6
24	980·5	980·1	979·7	979·6	979·4	979·7	979·9	980·0	980·2	980·5	980·2	980·3	980·2	980·4	980·6	980·5	980·6	980·8	980·7	981·0	981·1	981·3	981·3	981·6	980·4
25	981·9	981·7	981·3	981·0	980·8	980·5	980·3	980·0	979·7	979·2	978·8	978·4	978·3	976·5	975·3	974·1	972·8	971·2	969·6	968·9	969·3	971·2	972·4	973·4	976·7
26	973·6	973·2	972·2	971·4	970·5	969·3	968·1	967·4	966·2	966·0	966·3	966·6	966·3	966·1	965·9	965·6	965·0	965·4	965·8	966·3	967·1	967·7	968·2	969·1	968·0
27	969·6	969·3	969·4	969·8	970·9	971·2	971·8	972·3	972·5	971·7	971·3	970·6	969·6	968·9	967·7	967·1	967·1	967·7	968·1	968·5	968·3	968·4	968·0	967·5	969·5
28	966·7	966·0	965·4	964·5	964·4	964·1	964·1	964·2	965·2	966·2	967·4	967·9	968·2	968·5	968·6	969·1	969·0	969·4	969·8	969·6	969·5	969·3	968·7	968·2	967·2
Mean (Station level)	978 ·15	977 ·92	977 ·59	977 ·38	977 ·24	**977** ·**18**	977 ·23	977 ·37	977 ·52	977 ·57	977 ·66	977 ·61	977 ·50	977 ·32	977 ·27	977 ·22	977 ·30	977 ·50	977 ·64	977 ·79	977 ·94	978 ·13	978 ·23	**978** ·**29**	977 ·61
Mean (Sea-level)	1007 ·53	1007 ·27	1006 ·93	1006 ·71	1006 ·57	1006 ·51	1006 ·57	1006 ·68	1006 ·81	1006 ·82	1006 ·83	1006 ·72	1006 ·58	1006 ·36	**1006** ·**30**	**1006** ·**30**	1006 ·42	1006 ·69	1006 ·86	1007 ·05	1007 ·24	1007 ·45	1007 ·57	**1007** ·**64**	1006 ·86
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

Note.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

99. Eskdalemuir : H_b (height of barometer cistern above M.S.L.) =237·3 metres. **March, 1922.**

Station Level	Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
		mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
	1	967·4	966·9	966·2	966·1	966·1	966·0	966·1	966·3	967·3	967·2	966·8	966·6	966·7	966·6	966·2	966·7	967·1	967·6	968·0	969·0	969·9	970·9	971·8	972·8	967·5
	2	973·0	974·4	975·1	976·3	978·0	979·2	980·4	981·3	982·4	983·3	984·4	985·3	985·8	986·4	986·9	987·0	986·6	987·1	987·3	986·9	986·7	986·1	985·0	984·0	982·7
	3	982·9	982·0	980·7	980·4	979·6	978·8	977·9	977·8	977·7	977·5	978·2	978·4	978·9	979·2	979·3	979·8	980·0	980·4	980·6	980·3	980·0	979·6	979·0	979·0	979·6
	4	978·7	978·3	977·5	977·0	976·2	975·7	975·7	976·1	976·9	976·8	977·3	977·7	978·0	978·3	978·6	979·2	979·7	980·0	980·3	980·1	980·1	980·1	979·7	979·3	978·2
	5	978·1	979·7	975·4	974·0	972·5	970·7	968·9	967·0	966·2	965·5	964·8	964·2	964·0	963·8	963·6	963·7	963·8	964·1	964·4	964·5	964·9	965·7	966·1	966·3	967·7
	6	966·8	967·3	967·3	967·6	968·0	968·2	968·2	968·6	969·0	968·9	968·7	968·4	967·9	967·4	966·9	966·0	965·5	964·7	964·2	963·3	962·2	961·5	961·8	962·8	966·4
	7	963·1	962·8	962·1	961·1	960·6	960·7	960·3	960·8	960·7	960·6	960·5	960·3	959·6	959·1	958·4	957·9	958·1	958·0	958·1	958·1	958·3	958·1	957·8	957·8	959·8
	8	957·7	957·4	956·6	955·7	955·4	954·7	954·6	954·5	954·5	954·1	953·6	953·6	953·9	953·9	954·4	955·3	956·5	957·8	958·5	959·4	960·4	961·1	961·3	961·4	**956·4**
	9	961·4	961·5	960·6	960·2	960·7	961·1	961·7	962·3	963·3	963·4	965·3	966·5	967·7	968·4	969·9	971·4	972·7	974·4	975·7	977·2	978·3	979·3	980·4	981·8	968·2
	10	982·8	983·6	983·7	984·1	984·6	985·2	986·1	986·7	987·5	988·7	989·3	989·6	990·0	989·9	990·2	990·5	991·2	991·9	992·3	992·9	993·0	993·3	993·5	993·5	988·7
	11	993·6	993·4	993·2	993·1	992·8	992·5	992·6	993·7	994·3	994·5	994·5	994·6	994·3	994·4	994·3	994·5	994·9	995·2	995·4	996·1	996·2	996·4	996·7	996·6	994·4
	12	997·2	997·4	997·2	997·3	998·0	998·4	998·8	999·4	999·9	000·4	000·8	001·4	001·8	001·9	002·3	002·5	003·2	003·7	004·5	004·6	004·9	005·3	005·5	005·6	001·1
	13	005·3	005·4	005·1	004·8	004·7	004·5	004·4	004·7	004·7	004·8	004·0	003·8	003·3	002·5	001·8	001·5	001·1	001·5	001·8	001·5	001·5	001·6	001·5	000·9	**003·3**
	14	000·7	000·6	000·3	000·1	000·0	999·7	999·6	999·6	999·1	998·9	998·6	998·0	998·2	997·9	997·2	997·1	997·2	997·4	997·9	998·5	998·5	998·4	998·2	998·4	998·9
	15	998·4	998·1	998·1	998·1	998·0	998·1	997·9	997·8	998·3	998·5	998·5	998·5	998·6	998·2	997·9	997·4	997·6	997·7	997·8	998·1	998·2	998·3	998·3	998·4	998·1
	16	998·5	998·3	997·9	997·7	997·5	997·4	997·3	997·6	997·6	997·5	997·7	997·6	997·4	996·8	996·6	996·6	996·8	996·9	997·3	997·4	997·5	997·5	997·5	997·6	997·5
	17	997·4	997·2	996·7	996·4	996·5	996·6	996·5	996·4	996·5	996·5	996·4	995·9	995·5	995·3	994·8	994·4	994·2	994·2	994·3	994·1	994·0	993·8	993·6	993·1	995·5
	18	992·8	992·3	991·7	991·3	991·1	990·9	990·9	991·0	991·0	991·1	990·8	990·2	989·9	989·2	989·2	989·2	989·1	989·5	989·7	990·0	990·1	990·4	990·5	990·3	990·6
	19	990·4	990·1	989·6	989·2	988·9	988·7	988·6	988·5	988·5	988·3	988·2	988·0	987·8	987·5	987·2	987·1	987·4	987·8	988·2	988·4	988·7	989·0	989·4	989·9	988·6
	20	989·9	990·0	989·9	989·9	989·8	989·7	990·0	989·9	989·3	988·7	989·1	988·5	988·3	987·9	987·7	987·7	988·3	988·7	988·9	989·3	989·7	989·7	989·7	990·1	989·2
	21	990·5	990·7	990·9	991·4	991·4	991·6	992·1	992·8	993·8	994·5	994·9	995·4	995·7	995·6	996·0	996·6	997·1	997·4	997·9	998·1	998·1	998·0	998·1	997·9	994·7
	22	997·7	997·4	996·8	996·3	995·9	995·6	995·4	995·3	995·5	995·5	995·3	995·0	995·0	994·5	994·0	993·4	993·3	993·4	993·3	993·2	993·3	993·3	993·2	992·9	994·9
	23	992·7	992·5	991·9	991·5	991·7	991·7	991·7	991·6	991·5	991·3	991·2	990·4	989·9	989·3	988·8	998·2	987·5	987·3	987·3	986·9	986·2	985·1	984·0	983·2	989·5
	24	982·5	981·2	980·0	978·6	977·6	976·5	975·4	974·3	973·3	971·3	970·4	969·2	967·9	966·6	965·4	964·3	963·3	962·7	962·1	961·5	960·7	960·2	957·7	959·1	969·7
	25	958·5	958·0	957·6	957·2	956·8	956·6	956·7	956·8	956·7	956·2	956·0	955·9	955·9	955·7	955·6	955·8	956·1	956·5	956·9	957·4	958·0	958·7	959·2	959·8	957·0
	26	960·3	960·7	961·4	962·3	963·1	963·9	965·0	965·9	966·9	967·7	968·2	968·6	969·2	969·1	969·2	969·6	969·5	969·5	969·5	969·4	969·7	969·6	969·6	969·6	966·8
	27	969·5	969·5	969·4	969·6	969·8	970·1	970·6	971·1	971·3	971·5	971·7	971·6	971·6	971·5	971·5	971·6	971·9	972·8	973·5	975·1	976·4	977·4	978·3	979·1	972·2
	28	980·0	980·8	981·5	982·9	983·5	984·4	985·1	985·9	986·4	987·4	988·3	988·8	989·6	990·0	990·5	990·4	990·8	991·5	992·5	993·0	993·0	992·0	993·1	993·3	987·9
	29	993·1	993·0	992·9	992·7	992·4	992·0	992·0	992·0	991·8	991·5	991·2	990·8	990·5	990·0	989·7	989·5	989·3	989·1	988·9	988·7	988·4	987·9	987·4	986·9	990·6
	30	986·4	985·8	985·5	985·2	984·7	984·1	983·8	983·6	983·3	982·4	981·8	981·1	980·4	979·4	978·4	977·3	976·5	976·4	975·9	975·3	975·0	974·4	974·3	974·3	980·5
	31	974·2	974·2	974·2	974·7	974·9	975·5	975·9	976·3	976·9	976·8	977·0	977·0	977·2	977·5	977·6	977·8	978·0	978·3	978·6	979·3	979·9	980·1	980·2	980·5	977·1
	Mean (Station level)	982 ·65	982 ·50	982 ·16	982 ·03	981 ·96	**981 ·90**	981 ·94	982 ·12	982 ·34	982 ·34	982 ·38	982 ·31	982 ·27	982 ·06	981 ·94	981 ·94	982 ·07	982 ·37	982 ·63	982 ·83	982 ·96	982 ·02	982 ·98	983 ·10	982 ·36
	Mean (Sea level)	1012 ·10	1011 ·96	1011 ·61	1011 ·49	1011 ·43	1011 ·36	1011 ·38	1011 ·48	1011 ·60	1011 ·49	1011 ·43	1011 ·32	1011 ·24	1011 ·00	**1010 ·88**	1010 ·93	1011 ·15	1011 ·57	1011 ·93	1011 ·21	1012 ·37	1012 ·41	1012 ·41	**1012 ·54**	1011 ·63

100. Eskdalemuir : H_b=237·3 metres. **April, 1922.**

Station Level		1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
		mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
	1	980·6	980·5	980·4	980·4	980·5	980·8	981·0	981·1	981·2	981·3	981·3	981·3	981·3	981·3	981·3	981·5	981·7	981·9	982·2	982·3	982·3	982·3	982·0	981·9	981·3
	2	982·0	981·9	981·7	981·4	981·3	981·3	980·9	980·5	980·0	979·9	979·3	979·1	978·8	978·5	977·7	977·2	976·9	976·6	976·0	975·4	974·9	974·2	974·1	973·8	978·6
	3	973·1	972·0	971·2	970·8	970·2	969·5	968·6	968·3	968·0	967·2	966·6	966·1	965·9	965·4	965·1	964·8	964·9	965·2	965·5	966·1	966·2	966·3	966·6	967·0	967·7
	4	967·2	967·7	967·9	968·1	968·8	969·5	970·0	970·4	970·9	971·3	971·6	972·1	972·3	972·6	972·6	972·7	974·0	974·3	974·2	974·4	974·7	974·9	975·4	975·5	971·6
	5	975·7	975·8	975·6	975·7	975·9	976·1	976·4	976·4	976·6	976·6	976·7	976·9	977·0	976·9	977·1	977·2	977·6	978·3	978·8	979·4	980·0	980·3	980·5	980·8	977·3
	6	981·1	981·5	981·7	981·8	982·2	982·7	983·0	983·1	983·1	983·1	983·1	983·1	983·3	983·4	983·5	983·1	983·0	982·9	982·7	982·7	982·5	982·2	981·9	981·8	982·6
	7	981·4	980·9	980·4	980·3	979·9	979·6	979·4	979·2	978·7	978·4	977·7	977·4	977·0	976·6	976·1	975·5	975·2	975·2	975·0	976·2	976·3	976·3	976·4	976·4	977·9
	8	976·2	975·9	975·9	976·0	976·2	976·4	976·9	977·0	977·3	977·1	977·3	977·3	977·9	978·4	978·6	979·2	979·4	979·9	980·7	981·4	982·1	982·7	983·3	983·7	978·5
	9	984·3	984·4	984·8	985·1	985·6	986·0	986·3	986·6	986·9	986·9	987·1	986·8	986·7	986·4	985·9	985·8	985·6	985·4	985·2	985·1	985·0	984·8	984·3	983·9	985·6
	10	983·1	982·4	981·9	981·1	980·7	980·4	980·0	979·4	979·0	978·3	977·7	977·3	977·1	976·6	976·0	975·3	975·0	975·1	975·0	975·1	975·0	974·8	974·7	974·4	977·9
	11	974·0	973·7	973·3	973·0	972·8	972·9	973·0	972·8	972·7	972·4	971·9	971·4	971·2	970·7	970·3	969·9	969·8	969·8	970·1	970·4	970·4	970·5	970·3	970·3	971·7
	12	969·9	969·6	969·5	968·9	968·8	969·0	969·1	969·3	969·3	968·8	968·8	968·1	967·5	966·7	965·7	964·5	963·1	962·2	961·0	959·9	958·6	957·6	957·1	957·2	**965·7**
	13	957·5	958·2	959·1	960·3	961·0	961·6	963·0	963·8	964·5	965·6	966·4	967·0	967·9	968·7	969·4	970·0	970·4	971·3	971·9	973·0	973·4	973·7	973·9	974·0	966·6
	14	973·8	973·6	973·5	973·4	972·7	972·7	972·5	972·6	972·4	971·4	970·6	970·1	969·1	967·3	966·2	965·1	964·2	963·0	961·8	961·1	960·2	959·6	958·3	957·2	968·0
	15	956·0	955·5	955·0	954·3	954·1	954·3	954·5	954·8	955·9	956·8	958·2	959·3	960·7	961·6	961·9	961·6	961·7	962·0	963·2	963·9	964·0	964·6	965·6	966·6	959·2
	16	967·9	969·2	970·4	971·8	972·6	974·3	974·7	975·6	977·0	978·3	979·3	980·3	981·2	982·1	983·0	984·2	985·5	986·6	987·8	989·3	990·1	991·3	992·2	992·9	980·2
	17	993·6	994·1	994·9	995·3	996·0	996·9	997·4	998·0	998·5	999·1	999·4	999·8	000·2	000·6	000·8	001·3	001·4	002·1	002·8	003·4	004·1	004·4	004·5	004·8	999·5
	18	004·9	005·0	005·2	005·1	005·4	005·8	006·0	006·1	006·1	006·1	006·0	005·9	005·7	005·2	005·1	004·9	004·9	005·3	005·7	006·1	006·1	006·1	006·1	006·0	**005·6**
	19	005·6	005·2	004·7	004·6	004·5	004·7	004·6	004·6	004·2	004·0	003·4	002·8	002·4	001·8	001·1	000·7	000·4	000·3	000·5	000·7	000·6	000·4	000·2	999·8	002·7
	20	999·7	999·4	999·0	998·7	998·6	998·5	998·4	998·4	998·0	997·6	997·4	997·0	996·6	996·0	995·6	995·4	995·1	994·9	995·1	995·4	995·6	995·5	995·3	994·8	997·0
	21	994·4	993·9	993·3	993·1	992·6	992·6	992·5	992·2	992·0	991·5	990·9	990·2	989·7	989·1	988·4	987·9	987·3	987·2	987·1	987·1	987·0	986·5	986·2	985·8	990·1
	22	985·5	985·0	984·6	984·4	984·1	984·0	983·9	983·7	983·4	982·9	982·4	981·9	981·6	981·2	980·8	980·9	981·0	981·1	981·5	982·1	982·0	982·1	981·8	981·7	982·7
	23	981·4	981·3	981·0	980·6	980·5	980·2	979·8	979·3	978·7	978·1	977·4	976·3	975·6	974·5	973·8	973·2	972·3	971·4	970·3	970·5	969·7	969·1	968·4	967·3	975·7
	24	966·4	965·7	965·0	965·2	965·5	965·5	965·5	966·4	966·8	967·0	966·5	966·6	966·6	967·5	967·9	968·0	968·7	968·4	968·6	969·2	969·5	970·0	970·0	971·1	967·4
	25	971·8	971·4	971·1	971·5	972·3	973·4	973·6	973·9	974·3	973·6	972·9	972·2	971·5	970·8	970·5	969·6	968·9	968·5	968·0	967·7	967·5	967·2	966·8	966·6	970·7
	26	966·2	965·8	965·5	965·1	965·0	965·0	965·0	965·0	965·0	964·5	964·6	964·7	964·8	964·8	964·8	965·1	965·3	966·0	966·7	967·5	968·0	968·2	968·2	968·5	965·8
	27	969·0	968·9	968·9	969·0	969·4	969·8	970·0	970·3	970·6	970·8	970·8	971·4	971·8	971·5	971·1	971·1	971·6	972·0	972·3	972·5	972·6	972·8	972·8	972·4	970·9
	28	972·5	972·4	972·4	972·8	973·0	973·6	974·1	974·4	974·5	974·6	974·9	974·9	975·3	976·0	976·1	976·2	976·8	977·3	977·9	978·4	978·7	979·1	979·3	979·7	975·5
	29	979·9	980·1	980·1	980·2	980·4	980·6	980·7	980·8	980·8	980·8	980·7	981·0	981·2	981·3	981·5	981·8	981·8	981·9	982·2	982·4	982·6	982·9	982·8	982·8	981·2
	30	982·8	982·6	982·7	982·4	982·7	982·8	983·0	983·1	983·1	983·2	983·1	983·3	983·2	983·2	982·8	983·2	983·2	983·5	983·0	984·0	983·9	983·7	983·5	983·2	983·2
	Mean (Station level)	978 ·58	978 ·45	978 ·36	978 ·35	978 ·44	978 ·68	978 ·79	978 ·90	**978 ·98**	978 ·90	978 ·80	978 ·72	978 ·70	978 ·56	978 ·36	978 ·25	**978 ·22**	978 ·32	978 ·48	978 ·76	978 ·79	978 ·80	978 ·78	978 ·73	978 ·61
	Mean (Sea level)	1008 ·06	1007 ·97	1007 ·90	1007 ·90	1007 ·99	**1008 ·20**	1008 ·17	1008 ·09	1007 ·99	1007 ·81	1007 ·62	1007 ·49	1007 ·45	1007 ·25	**1007 ·03**	**1007 ·03**	1007 ·06	1007 ·23	1007 ·55	1007 ·96	1008 ·11	1008 ·16	1008 ·18	1008 ·16	1007 ·77
	G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

101. Eskdalemuir : H_b (height of barometer cistern above M.S.L.) =237·3 metres. **May, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	983·1	982·7	982·1	981·7	981·4	981·1	980·9	980·4	980·3	980·0	979·5	979·2	979·1	979·1	979·6	979·2	979·0	978·9	979·1	979·1	979·3	979·5	979·6	979·7	980·2
2	979·6	979·6	979·6	979·8	979·7	979·4	979·3	979·5	979·1	978·9	978·6	978·5	978·7	978·4	978·5	978·5	978·4	978·8	979·3	979·6	980·0	980·3	980·5	980·5	979·3
3	980·3	980·4	980·1	979·6	979·4	978·9	978·7	978·4	977·7	976·8	976·1	975·5	974·6	974·2	973·7	973·5	973·6	973·8	974·3	974·5	975·6	975·6	975·9	975·8	976·6
4	975·3	975·1	974·8	974·5	974·0	973·7	973·1	973·3	973·2	972·9	972·5	972·8	972·3	972·6	972·5	971·8	972·1	971·8	971·7	972·3	972·3	971·6	971·0	970·9	972·9
5	971·8	972·3	972·4	972·0	972·3	973·1	973·4	974·4	975·2	975·9	976·6	977·6	979·1	980·1	981·8	983·2	984·2	985·4	986·0	987·1	987·6	988·6	989·1	989·6	979·1
6	989·7	989·7	990·2	990·3	990·5	990·5	990·6	990·7	990·6	989·8	989·8	990·5	990·9	991·7	991·9	992·3	992·6	993·2	993·6	993·7	994·3	994·9	995·2	995·5	991·7
7	995·2	995·3	995·4	995·7	996·0	996·2	997·0	998·3	998·2	998·8	999·5	999·6	999·5	999·5	999·1	999·0	998·7	998·9	998·9	999·1	999·2	999·4	999·4	999·3	998·1
8	999·0	998·7	998·4	998·3	998·2	998·2	998·3	998·1	998·2	998·1	997·6	997·5	997·7	997·8	998·3	998·3	998·0	998·2	998·9	999·4	999·6	000·2	000·2	000·5	998·5
9	000·1	000·6	000·6	001·0	001·2	001·3	001·4	001·4	001·1	000·9	000·5	000·0	999·7	998·9	998·1	997·6	997·0	996·8	997·0	997·1	997·1	996·9	996·7	996·5	999·2
10	996·1	996·0	995·7	995·4	995·3	995·3	995·3	995·2	995·1	994·5	994·4	994·4	994·3	994·2	993·8	993·5	993·0	992·8	992·7	992·6	992·5	992·8	992·7	992·1	994·2
11	991·8	991·5	991·1	990·8	990·7	990·5	990·1	989·9	989·4	989·1	988·7	988·4	988·2	987·9	987·4	987·0	986·7	986·5	986·3	986·2	986·4	986·0	986·1	986·2	988·6
12	986·0	985·6	985·3	985·1	985·2	985·3	985·4	985·3	985·6	985·6	985·9	986·1	986·1	985·9	986·0	986·0	986·3	986·5	987·1	987·7	987·9	988·3	988·6	988·8	986·3
13	989·1	989·3	989·3	989·4	989·5	989·7	989·7	989·4	989·5	989·7	989·9	990·0	990·1	989·9	989·8	989·7	989·5	989·5	989·6	989·7	989·6	989·6	989·5	989·1	989·6
14	988·7	988·5	988·2	988·0	988·0	988·0	987·8	987·5	987·1	987·0	986·8	986·6	986·7	986·3	985·8	985·6	985·4	985·3	985·3	985·0	985·1	984·9	984·9	985·0	986·7
15	985·1	985·1	985·1	984·9	984·7	984·5	984·3	984·2	984·2	983·8	983·7	983·7	983·8	983·7	983·5	983·4	983·2	983·0	982·9	982·7	982·4	982·1	982·1	981·2	983·7
16	980·5	980·0	979·6	979·1	978·6	978·3	978·2	977·9	977·8	977·7	977·7	977·6	977·1	976·7	976·4	976·2	975·8	975·5	975·2	975·4	975·4	975·0	974·3	973·7	977·2
17	973·9	973·4	973·0	973·2	973·0	973·0	973·0	972·6	972·5	972·2	972·2	972·2	972·1	972·1	972·3	972·3	972·0	971·2	971·1	971·3	971·6	971·9	972·0	972·1	**972·4**
18	972·1	972·1	972·1	972·2	972·7	973·5	974·1	974·7	975·1	975·6	976·5	976·9	978·0	978·2	978·9	979·4	980·0	980·6	981·3	982·2	982·7	983·3	983·6	983·7	977·2
19	983·7	983·5	983·8	983·5	983·6	983·5	983·6	983·4	983·4	983·3	983·5	983·8	984·2	984·4	985·3	985·9	986·7	987·6	988·3	989·7	990·5	991·1	991·6	992·2	985·6
20	992·3	992·8	992·9	993·3	993·5	993·9	994·3	994·7	994·5	994·3	994·3	994·0	993·7	993·5	993·3	993·1	993·0	993·0	993·0	992·9	992·7	992·5	992·1	991·5	993·3
21	991·6	991·1	990·4	990·2	990·4	990·0	990·0	990·4	990·2	990·0	989·7	989·4	989·4	989·2	989·0	988·1	987·8	987·1	986·3	985·7	984·7	984·0	982·9	982·2	988·5
22	981·5	981·0	980·6	980·4	980·3	980·4	980·6	981·2	981·4	981·4	981·8	982·3	982·5	983·2	983·5	983·6	983·5	983·6	984·2	984·5	985·6	986·3	986·0	985·9	982·6
23	985·5	985·1	984·9	984·7	984·4	984·1	983·6	983·4	982·9	982·7	982·2	981·9	981·4	981·4	981·0	981·1	981·1	981·1	981·5	982·0	982·8	983·0	983·7	984·0	984·4	983·1
24	984·9	985·3	985·7	986·2	986·7	987·1	987·5	987·7	988·3	988·2	988·5	988·6	988·7	988·7	988·8	988·8	988·6	988·7	989·2	989·8	990·1	990·3	990·4	990·3	988·1
25	990·3	990·4	990·6	990·8	991·0	991·3	991·4	991·9	991·8	991·8	991·6	991·6	991·7	991·7	991·6	991·6	991·8	991·7	991·7	991·8	991·6	991·7	991·8	991·0	991·4
26	990·6	990·4	990·2	989·9	989·8	989·4	989·0	989·2	989·1	988·9	989·2	989·4	990·2	990·7	991·8	992·2	992·5	992·9	993·6	993·8	994·3	994·3	995·6	996·3	991·3
27	996·3	996·3	996·7	997·3	997·3	998·1	998·3	998·7	998·8	999·1	999·3	999·4	999·5	999·4	999·6	999·8	999·8	000·3	000·6	001·1	001·2	001·3	001·4	001·1	999·1
28	001·0	000·8	000·6	000·1	000·0	000·1	000·0	999·6	999·4	999·3	998·9	998·9	998·7	998·4	998·1	998·3	998·5	998·9	999·3	999·0	999·5	999·8	999·9	000·2	999·5
29	000·5	000·4	000·4	000·4	000·6	000·7	001·1	000·9	000·6	000·5	000·7	000·6	000·4	000·3	000·2	000·2	000·0	000·1	000·2	000·3	000·6	001·0	000·8	000·8	**000·5**
30	000·6	000·6	000·4	000·5	000·5	000·1	999·8	999·5	999·3	999·0	998·7	998·1	997·6	997·5	997·0	996·6	996·4	996·4	996·0	996·1	996·1	996·1	995·9	995·6	998·2
31	995·5	995·0	994·7	994·6	994·5	994·4	994·3	994·4	994·3	994·1	993·5	993·0	992·6	992·1	991·9	991·6	991·3	991·1	990·9	991·1	991·3	991·2	991·1	991·0	993·0
Mean (Station level)	988 ·12	988 ·02	987 ·90	987 ·83	987 ·84	987 ·87	987 ·88	987 ·94	987 ·88	987 ·75	987 ·70	987 ·68	987 ·69	987 ·68	987 ·69	987 ·66	**987 ·63**	987 ·73	987 ·92	988 ·17	988 ·38	988 ·52	**988 ·55**	988 ·47	987 ·93
Mean (Sea level)	1017 ·26	1017 ·19	1017 ·13	1017 ·06	1017 ·07	1016 ·98	1016 ·82	1016 ·76	1016 ·60	1016 ·39	1016 ·29	1016 ·22	1016 ·21	**1016 ·16**	1016 ·18	**1016 ·16**	**1016 ·16**	1016 ·31	1016 ·61	1016 ·99	1017 ·32	1017 ·54	**1017 ·61**	1017 ·57	1016 ·77

102. Eskdalemuir : H_b=237·3 metres. **June, 1922.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	990·7	990·4	990·0	989·8	989·7	989·5	989·5	989·4	989·1	988·7	988·3	987·9	987·6	986·9	986·3	986·0	985·8	985·8	986·2	986·2	986·0	986·3	986·0	985·2	987·9
2	984·6	984·1	983·6	982·9	982·7	982·2	981·8	981·6	981·2	980·8	980·8	981·1	981·1	981·2	981·2	981·5	982·1	983·2	983·4	984·1	985·3	985·7	986·3	986·5	982·9
3	986·9	987·2	987·4	987·6	988·0	988·6	988·9	989·0	989·3	989·5	989·5	989·7	988·8	990·0	990·2	990·2	991·1	991·3	992·0	992·1	993·0	993·6	993·5	993·5	989·9
4	993·8	993·8	993·8	993·9	994·0	994·0	994·0	994·0	993·8	993·6	993·4	992·9	992·5	992·3	992·0	991·7	991·7	991·6	991·1	991·1	991·3	991·3	991·3	991·1	**992·7**
5	991·1	991·1	991·3	991·2	991·3	991·8	992·1	992·2	992·2	992·6	992·4	992·5	992·7	992·9	993·0	993·2	993·3	993·1	993·0	992·9	993·2	993·1	993·1	993·1	992·4
6	992·7	992·5	992·3	992·5	992·4	992·5	992·7	992·7	992·6	992·3	992·0	991·7	991·3	991·2	991·0	990·5	990·2	990·2	990·2	990·5	990·4	990·4	990·4	990·4	991·5
7	990·3	990·0	989·2	989·2	989·1	989·2	989·1	989·2	989·1	988·7	988·5	988·4	988·3	987·9	987·5	987·0	986·6	986·5	986·6	986·7	987·1	987·3	987·2	987·2	988·2
8	987·3	987·3	987·3	987·4	987·5	987·6	987·7	987·9	987·9	987·9	987·8	987·8	987·7	987·7	987·7	987·6	987·5	987·2	987·0	987·2	987·3	987·5	987·7	987·8	987·5
9	987·3	986·9	986·2	986·3	986·0	986·7	985·9	885·7	985·6	985·4	985·3	985·0	984·9	984·6	984·2	983·5	982·9	982·7	982·7	982·7	982·7	982·4	981·9	981·5	984·7
10	982·1	980·7	980·6	980·7	981·0	981·3	981·4	981·4	981·7	981·7	982·0	982·0	982·4	982·8	983·0	983·2	983·6	984·4	985·2	985·6	985·8	986·4	987·1	987·7	982·9
11	988·3	988·6	989·0	989·0	989·5	989·9	990·4	990·6	990·8	991·0	991·0	990·9	991·1	991·1	991·5	991·3	991·5	991·7	992·4	992·6	992·9	993·4	993·2	993·2	990·9
12	993·5	993·2	993·2	993·2	993·3	993·1	992·8	992·8	992·7	992·3	992·0	991·9	991·6	991·6	990·9	990·5	990·1	990·0	989·8	989·5	989·5	989·1	988·5	987·8	991·5
13	987·2	986·8	986·5	986·5	986·9	986·8	987·6	988·7	988·8	990·8	991·4	991·9	992·1	992·8	992·9	993·1	993·3	993·4	993·8	994·4	994·9	994·9	995·2	995·1	990·9
14	995·0	994·9	994·8	994·7	994·7	994·4	994·2	994·1	993·4	992·6	992·2	991·4	991·0	990·0	989·4	988·7	988·0	987·5	986·9	987·6	987·7	986·9	986·5	986·2	991·1
15	986·5	986·3	986·3	986·4	986·6	987·0	987·8	988·2	988·2	988·5	988·8	989·0	989·4	989·3	989·4	989·7	989·8	989·9	990·0	990·3	990·4	990·6	990·7	990·6	988·6
16	990·1	990·0	989·6	989·6	989·2	989·1	989·3	988·9	988·7	988·3	988·0	988·2	988·5	988·3	988·5	988·5	988·7	988·7	989·0	988·7	989·2	989·3	989·5	989·8	989·0
17	989·6	989·5	989·1	989·2	989·4	989·2	989·0	989·2	989·0	987·8	988·0	987·7	988·0	988·0	988·3	988·5	988·4	988·2	988·4	988·6	988·9	989·8	989·9	989·9	988·8
18	990·0	990·0	990·0	990·1	990·4	990·8	990·9	991·1	991·2	991·7	991·7	991·6	991·3	991·1	990·3	990·1	989·9	989·6	989·5	989·4	989·5	989·1	989·4	989·3	990·3
19	989·0	988·9	988·9	988·8	989·2	989·4	989·4	989·8	990·3	990·3	990·7	990·7	991·0	991·5	991·2	991·2	991·5	991·5	991·6	991·8	991·7	991·6	991·2	990·6	990·5
20	989·7	988·9	988·0	987·4	986·9	986·7	986·4	986·6	985·9	985·9	985·9	985·9	986·1	986·9	987·3	987·6	988·0	988·6	989·2	989·6	990·3	990·8	991·0	991·2	987·9
21	991·4	991·7	991·7	991·5	991·9	991·9	991·9	992·2	992·1	991·8	991·5	991·5	991·4	991·5	991·1	991·1	990·8	990·6	990·3	990·2	989·9	989·6	989·5	988·8	991·1
22	988·2	987·6	986·8	986·4	986·2	985·9	985·8	985·5	985·2	984·5	984·1	983·9	983·5	983·5	983·3	982·9	982·1	981·4	980·8	980·1	979·6	978·7	977·6	976·7	983·6
23	975·9	975·3	975·0	974·9	974·9	975·1	975·1	975·6	976·2	976·1	976·4	976·9	977·0	977·3	977·6	978·1	978·2	978·9	979·3	979·9	980·2	980·4	980·6	980·7	977·2
24	980·8	980·8	980·6	980·3	980·2	979·6	979·2	979·0	978·7	977·8	977·3	977·1	976·4	975·7	975·2	974·3	973·7	973·2	972·5	972·3	971·8	971·5	971·1	970·7	976·5
25	970·2	969·7	969·2	968·9	968·5	968·2	967·9	967·9	967·6	967·7	968·0	968·2	968·5	968·9	968·9	969·2	969·5	969·8	970·3	970·7	971·2	971·5	971·6	972·0	**969·3**
26	972·1	971·7	971·6	971·5	971·7	971·9	971·5	971·2	971·2	971·0	970·7	970·5	970·6	970·9	970·7	970·7	970·6	970·7	971·0	971·3	971·7	971·4	971·6	971·7	971·2
27	971·9	972·1	972·2	972·6	973·1	973·4	973·6	973·9	973·5	973·7	973·8	973·9	974·2	973·7	973·5	973·1	972·3	971·5	971·1	971·0	970·9	971·0	970·8	971·0	972·6
28	971·1	971·1	971·1	971·4	971·6	972·0	972·2	973·0	973·1	973·2	973·2	973·1	973·4	973·6	974·1	974·3	974·1	973·8	974·2	974·5	975·0	975·2	975·5	975·6	973·2
29	975·6	975·6	975·6	975·9	976·1	976·1	976·4	976·4	977·2	977·4	978·0	978·3	978·9	979·7	980·4	980·9	981·6	982·2	982·8	983·2	983·7	983·8	983·8	983·9	979·1
30	983·3	983·1	982·8	982·8	982·7	982·6	982·7	983·0	982·8	982·3	982·3	982·3	982·7	982·4	982·6	982·8	983·1	983·4	983·6	983·8	983·8	983·8	983·4	983·2	983·0
Mean (Station level)	985 ·54	985 ·33	985 ·12	985 ·09	985 ·16	985 ·22	985 ·24	985 ·36	985 ·30	985 ·20	985 ·17	985 ·13	985 ·13	985 ·18	985 ·10	985 ·05	**984 ·99**	985 ·01	985 ·14	985 ·29	985 ·50	**985 ·55**	985 ·51	985 ·39	985 ·24
Mean (Sea level)	**1014 ·35**	1014 ·15	1013 ·96	1013 ·95	1013 ·97	1013 ·92	1013 ·80	1013 ·84	1013 ·69	1013 ·53	1013 ·47	1013 ·37	1013 ·35	1013 ·37	1013 ·28	1013 ·24	**1013 ·22**	1013 ·31	1013 ·54	1013 ·81	1014 ·16	1014 ·28	1014 ·30	1014 ·18	1013 ·76
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

103. Eskdalemuir : H_b (height of barometer cistern above M.S.L.) =237·3 metres. **July, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	982·7	982·1	981·9	981·1	981·6	980·0	979·4	978·3	977·4	976·7	976·1	975·8	975·2	974·5	973·4	972·4	971·2	970·8	970·8	970·5	970·6	970·5	970·5	970·2	975·8
2	970·0	969·7	969·3	968·9	968·5	968·4	968·4	968·3	968·4	968·8	969·0	969·3	969·6	970·1	970·1	970·4	971·3	971·6	971·9	972·4	972·9	972·9	973·6	974·0	970·2
3	973·9	973·9	974·8	974·7	975·1	975·5	975·6	975·8	976·3	976·8	976·8	977·0	977·5	977·8	978·4	978·4	979·2	979·8	980·2	980·6	981·0	981·1	981·1	981·2	977·5
4	980·9	980·3	979·7	979·2	978·5	977·5	977·1	976·1	975·1	974·6	973·7	973·2	972·8	972·7	972·5	972·2	972·2	972·2	972·1	972·2	972·1	972·6	973·0	973·3	975·0
5	973·6	974·2	974·4	974·6	975·1	975·3	975·8	976·0	976·4	975·5	075·5	975·4	975·4	975·1	975·2	974·4	973·6	972·8	971·7	971·0	969·7	968·7	967·6	966·3	973·6
6	964·3	962·4	960·6	958·2	957·0	955·0	953·9	952·8	952·9	953·8	955·1	956·3	957·8	959·2	960·3	962·0	963·6	965·4	967·0	968·4	970·1	971·3	973·1	974·6	**961·3**
7	975·3	976·0	977·0	977·6	977·8	979·1	979·9	980·5	981·0	981·5	982·2	982·8	983·1	983·3	983·9	984·2	984·5	984·7	984·7	985·2	985·4	985·4	985·3	985·2	981·7
8	985·1	985·0	984·3	984·1	983·9	983·8	983·4	982·9	982·2	981·2	980·3	979·7	979·1	978·4	977·4	976·5	975·8	975·0	974·0	973·1	973·0	972·4	971·8	971·1	979·2
9	970·9	970·3	969·9	969·8	969·9	970·0	970·1	970·4	971·0	971·2	971·9	972·1	973·1	973·7	974·3	975·1	976·4	977·1	977·7	978·3	978·7	979·5	979·9	980·7	973·6
10	980·8	981·3	981·9	982·3	982·8	983·5	984·6	985·5	985·6	985·8	986·6	987·3	988·1	988·6	989·1	989·8	990·3	990·8	991·5	991·9	992·7	993·1	993·9	994·3	987·3
11	994·7	994·9	995·0	995·2	995·4	996·1	996·3	996·1	996·1	996·6	996·5	996·3	996·3	996·2	996·0	995·8	995·4	995·3	995·3	995·4	995·7	995·8	995·8	995·5	**995·7**
12	995·1	994·8	994·5	994·3	994·0	993·8	993·5	993·1	992·8	992·7	992·4	991·9	991·6	991·3	990·8	990·2	989·9	989·5	989·5	989·6	989·5	989·4	988·9	988·3	987·7	991·8
13	987·0	986·4	985·7	984·9	984·5	984·1	983·8	983·1	982·6	982·0	981·3	980·7	979·9	979·1	978·2	977·7	977·1	976·4	976·6	976·4	976·3	976·0	975·6	975·0	980·7
14	974·6	974·2	973·9	973·9	974·1	974·2	974·5	974·7	974·8	974·9	974·5	974·6	974·4	974·4	974·3	974·4	974·4	974·4	974·5	974·7	974·9	975·0	975·2	975·0	974·5
15	974·8	974·7	974·7	974·9	975·0	975·1	975·1	975·1	975·2	975·4	975·4	975·4	975·5	975·5	975·9	975·6	975·9	976·2	976·8	976·8	977·3	977·3	977·3	977·2	975·7
16	976·9	976·9	976·9	976·5	976·4	976·9	977·2	977·9	978·3	978·9	979·1	979·6	980·3	980·8	981·0	981·2	981·7	982·0	982·2	982·6	983·2	983·3	983·5	983·5	979·7
17	983·2	983·5	983·3	983·3	983·2	983·4	983·6	984·1	984·1	984·2	984·4	984·3	984·3	984·2	984·2	984·2	984·0	984·0	984·2	984·4	984·6	984·8	984·7	984·4	984·0
18	984·2	983·9	983·8	983·8	984·0	984·1	984·2	984·2	984·4	984·6	985·1	985·1	985·1	985·3	985·3	985·5	985·9	986·0	986·5	986·6	986·8	986·7	987·2	987·5	985·2
19	987·6	987·4	987·8	988·1	988·1	988·3	988·8	989·1	989·3	989·4	989·3	989·5	989·6	990·0	989·8	989·5	989·8	989·8	990·1	990·1	989·9	990·0	989·9	989·5	989·2
20	989·3	988·6	988·1	987·5	986·9	986·4	985·9	985·6	985·4	985·0	984·6	983·9	983·6	983·3	982·3	982·1	981·4	981·3	980·9	980·5	980·3	980·3	980·2	980·0	984·1
21	979·6	979·5	979·3	979·3	979·0	979·2	979·4	979·6	980·1	980·1	979·9	979·8	980·0	979·9	979·8	980·1	980·5	980·6	980·9	981·5	981·9	982·1	982·2	982·4	980·2
22	982·6	982·6	982·9	982·8	983·0	983·1	983·4	983·2	983·3	983·2	983·1	983·1	983·0	982·7	982·3	982·1	981·8	981·8	981·6	981·6	981·7	981·9	981·9	981·6	982·5
23	981·3	980·9	980·7	980·5	980·4	980·7	980·6	980·5	980·7	980·8	980·6	980·6	980·5	980·5	980·7	980·9	981·3	981·7	982·0	982·3	982·9	983·2	983·3	983·6	981·3
24	983·7	984·0	984·1	984·4	985·1	985·3	985·5	985·9	986·1	986·5	986·7	987·0	987·1	987·2	987·4	987·4	987·5	987·6	988·0	988·2	988·5	988·7	989·1	989·3	986·6
25	989·3	989·5	989·5	989·7	989·9	990·5	990·8	991·1	991·0	991·1	991·1	991·1	991·4	991·3	991·1	991·2	991·1	991·1	991·3	991·5	991·8	991·7	991·4	991·1	990·8
26	990·7	990·3	989·5	988·8	988·1	987·5	987·0	986·1	985·2	984·5	984·0	983·7	983·1	982·3	982·3	982·1	982·2	982·5	983·0	983·6	984·6	985·3	985·8	986·1	985·5
27	986·4	986·7	986·8	987·3	987·7	988·1	988·6	988·7	989·2	989·3	989·5	989·7	989·8	989·8	989·9	989·9	990·2	990·5	990·6	990·7	991·2	991·5	991·7	991·8	989·3
28	991·9	991·8	991·6	991·7	992·2	992·0	992·1	992·3	992·6	992·7	992·6	992·5	992·7	992·6	992·6	992·3	992·0	991·8	991·8	991·7	991·5	991·1	990·7	990·4	992·0
29	989·4	988·6	987·4	986·3	985·3	985·0	983·9	982·7	981·7	980·7	980·2	979·1	978·7	978·9	979·0	979·0	979·2	979·4	980·1	980·2	980·5	980·8	981·3	981·8	982·2
30	982·1	982·3	982·6	982·6	982·8	982·9	983·1	982·9	982·9	982·7	982·7	982·6	982·3	982·2	981·8	981·7	981·6	981·6	981·6	981·4	980·7	980·2	979·7	979·3	982·0
31	979·4	978·8	978·6	978·3	977·9	977·2	977·2	977·1	976·9	976·4	976·1	975·7	975·7	976·1	976·2	976·3	977·0	977·6	978·7	979·5	980·2	980·8	981·0	981·1	977·9
Mean (Station level)	981 ·98	981 ·78	981 ·63	981 ·44	981 ·39	981 ·35	981 ·38	981 ·28	981 ·25	981 ·21	981 ·18	981 ·13	981 ·18	981 ·19	981 ·15	**981 ·12**	981 ·23	981 ·33	981 ·55	981 ·71	981 ·95	982 ·03	**982 ·11**	982 ·08	981 ·49
Mean (Sea level)	1010 ·67	1010 ·48	1010 ·36	1010 ·17	1010 ·10	1009 ·97	1009 ·88	1009 ·60	1009 ·58	1009 ·47	1009 ·42	**1009 ·24**	1009 ·35	1009 ·35	1009 ·29	1009 ·26	1009 ·41	1009 ·56	1009 ·84	1010 ·11	1010 ·46	1010 ·62	1010 ·74	**1010 ·75**	1009 ·91

104. Eskdalemuir : H_b = 237·3 metres. **August, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	980·9	981·2	981·1	981·1	981·2	981·4	981·6	982·0	982·1	982·3	982·6	982·6	982·7	983·0	983·4	983·7	984·1	984·3	984·6	985·2	985·4	985·6	985·7	985·9	983·0
2	986·3	986·4	986·6	986·8	987·1	987·5	987·6	987·7	987·9	987·8	988·0	988·0	988·1	988·0	988·1	987·8	988·1	987·9	987·9	988·3	988·7	988·8	989·1	989·0	987·7
3	988·6	988·7	988·5	988·4	988·4	988·5	988·5	988·5	988·4	988·4	988·3	988·1	988·0	987·8	987·7	987·7	987·7	987·5	987·7	987·8	987·9	988·2	988·3	988·2	988·2
4	988·2	987·7	987·7	987·6	987·6	987·6	987·8	987·9	987·9	987·7	987·7	987·8	987·8	987·8	987·8	987·8	987·8	988·0	988·5	989·0	989·3	989·7	989·7	990·0	988·1
5	989·8	989·6	989·5	989·4	989·3	989·5	989·7	989·8	989·7	989·4	989·2	989·1	988·9	988·6	988·2	987·8	987·6	987·2	987·1	987·1	987·1	987·1	987·1	986·9	988·6
6	986·7	986·2	985·7	985·5	985·4	985·4	985·3	985·2	984·9	984·7	984·4	984·1	983·6	983·4	983·0	982·9	982·9	983·1	983·1	983·2	983·0	983·2	983·1	983·2	984·3
7	983·1	983·0	983·0	982·9	982·9	982·8	982·6	982·5	982·2	981·9	981·7	981·7	981·7	981·7	981·7	981·7	981·7	981·7	981·7	982·0	982·1	982·0	982·0	981·5	982·2
8	981·3	981·1	980·6	980·4	980·1	980·3	980·0	979·8	979·5	979·4	978·8	978·4	977·9	977·9	977·6	977·1	976·9	977·0	977·1	977·3	977·6	978·0	978·3	978·1	978·8
9	978·4	978·8	979·2	979·3	979·8	980·5	981·3	981·8	982·4	983·2	983·8	984·6	985·3	985·8	986·3	986·8	986·8	987·6	988·3	988·7	989·8	990·3	990·6	991·0	984·3
10	991·4	991·8	992·0	992·2	992·4	992·8	993·2	993·7	994·0	994·5	994·8	995·0	995·1	995·1	995·1	995·1	995·1	995·1	995·1	995·2	995·3	995·4	995·4	995·3	**994·1**
11	995·2	995·0	994·6	994·5	994·8	994·6	994·5	994·4	994·2	993·8	993·5	993·5	993·5	993·1	992·9	992·1	991·9	991·6	991·5	991·5	991·4	991·2	990·5	990·3	993·2
12	989·7	989·0	988·6	987·6	987·0	986·1	985·7	984·8	984·0	983·3	982·3	981·4	980·7	980·0	979·3	978·6	978·2	978·2	978·4	979·0	979·2	979·4	979·8	979·9	982·7
13	980·1	980·2	979·8	980·1	980·3	980·4	980·7	980·6	980·9	981·3	981·3	981·3	981·3	981·5	981·6	982·0	982·2	982·3	982·4	982·0	983·3	983·6	984·0	984·1	981·5
14	984·2	984·2	984·3	984·5	984·7	985·0	985·5	985·7	985·9	985·4	985·3	985·6	985·9	985·9	986·1	986·2	986·2	986·1	986·4	987·0	986·9	986·8	986·8	985·6	
15	986·6	986·3	986·0	986·2	986·1	986·2	986·2	986·1	986·0	986·0	986·3	986·4	986·5	986·6	987·0	986·8	986·7	986·5	986·5	986·4	986·4	986·3	985·9	985·5	986·3
16	984·4	983·8	983·2	982·2	981·2	980·6	980·1	979·7	979·5	979·6	980·0	980·3	980·8	981·0	981·3	981·1	981·0	981·0	980·7	980·4	979·6	979·3	978·1	976·9	980·8
17	976·1	975·1	974·5	973·9	973·7	973·5	973·7	974·6	974·7	975·0	975·1	975·0	975·7	975·7	975·8	976·3	977·1	977·6	978·7	979·0	981·4	982·4	983·0	984·0	976·6
18	984·6	985·0	985·1	985·2	985·3	985·7	986·2	986·5	987·0	987·0	987·1	987·7	988·1	988·4	988·9	989·0	990·2	990·2	990·3	991·0	992·3	992·6	992·8	993·0	988·1
19	993·3	993·5	993·7	993·3	993·4	993·4	993·4	993·4	993·3	993·5	993·5	993·6	993·4	993·4	993·3	992·0	992·5	992·3	992·4	992·4	992·5	992·1	991·9	991·2	993·0
20	990·8	990·5	990·0	989·6	989·3	989·6	989·6	989·4	989·7	989·2	989·3	989·3	989·1	989·3	989·5	989·5	989·5	989·4	989·5	989·7	989·9	990·0	990·0	989·9	989·7
21	989·7	989·6	989·4	989·4	989·4	989·4	989·6	989·9	989·5	989·7	989·3	988·9	988·8	988·6	988·3	987·8	987·6	987·1	986·8	986·7	986·6	986·1	985·7	985·2	984·3	988·2
22	983·7	983·2	982·9	982·3	982·0	981·6	981·4	981·6	981·2	980·9	980·5	979·6	979·3	978·7	978·2	977·4	976·7	976·1	975·3	974·1	972·9	972·6	972·2	971·7	978·9
23	971·6	971·2	971·0	972·3	972·0	971·7	972·3	973·4	974·5	975·1	976·3	976·7	977·4	978·2	978·7	979·1	979·6	980·5	981·0	981·5	982·0	982·1	982·3	981·8	976·6
24	982·9	982·5	982·0	981·9	981·5	981·4	981·1	980·8	980·2	979·3	977·8	977·0	976·0	975·3	974·5	973·5	973·7	972·1	971·6	971·8	971·8	971·9	971·9	972·0	977·1
25	972·2	972·6	973·3	974·0	975·1	975·7	976·6	978·0	978·8	979·6	980·3	980·5	981·1	981·4	982·4	983·0	983·4	984·3	984·8	985·7	986·1	987·2	987·1	987·4	980·1
26	987·8	988·2	988·4	988·3	988·5	988·5	988·6	988·6	988·7	988·6	988·8	987·6	986·8	986·1	985·2	984·8	984·4	984·0	983·5	982·8	982·3	981·2	980·5	979·7	986·1
27	979·6	979·2	978·6	978·0	977·3	977·1	977·0	977·3	978·5	978·9	978·8	979·0	979·0	979·1	979·2	979·1	979·3	979·6	979·7	979·9	980·0	980·4	980·3	980·7	980·6	979·0
28	980·5	980·5	980·5	980·5	980·9	981·1	981·3	981·6	982·0	981·9	981·6	981·3	981·2	981·2	981·2	981·0	981·2	981·5	982·2	982·2	982·3	982·1	981·8	981·1	981·4
29	980·5	980·0	979·2	978·9	978·4	978·4	977·9	977·9	977·7	977·5	977·0	976·6	976·5	976·0	975·7	975·1	974·4	974·1	973·8	973·6	973·5	973·1	972·7	972·2	976·5
30	971·4	971·4	970·7	970·4	970·3	969·8	970·1	970·3	970·0	969·3	968·8	969·2	969·0	968·6	968·4	967·8	967·9	968·0	968·5	969·0	969·4	969·6	969·6	969·5	**969·5**
31	969·5	969·5	969·6	969·3	969·5	970·0	970·5	970·7	970·6	970·9	971·1	971·5	971·8	972·1	972·4	972·6	973·0	973·3	973·8	974·5	974·7	974·8	975·0	975·4	971·8
Mean (Station level)	983 ·52	983 ·39	983 ·20	983 ·10	983 ·06	983 ·11	983 ·22	983 ·35	983 ·42	983 ·38	983 ·32	983 ·27	983 ·25	983 ·20	983 ·17	**983 ·04**	983 ·07	983 ·06	983 ·18	983 ·42	983 ·57	**983 ·64**	983 ·58	983 ·43	983 ·29
Mean (Sea level)	1012 ·17	1012 ·04	1011 ·88	1011 ·79	1011 ·77	1011 ·78	1011 ·81	1011 ·83	1011 ·81	1011 ·72	10 11 ·59	1011 ·50	1011 ·45	1011 ·39	1011 ·37	**1011 ·25**	1011 ·32	1011 ·36	1011 ·56	1011 ·88	1012 ·10	**1012 ·21**	1012 ·18	1012 ·06	1011 ·74

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

105. Eskdalemuir : H_b (height of barometer cistern above M.S.L.) =237·3 metres. **September, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	975·5	975·5	976·1	975·8	976·2	976·6	976·8	977·1	977·4	977·5	977·5	977·6	977·7	978·5	979·1	979·6	980·0	980·7	981·4	981·7	981·9	982·1	982·3	982·5	978·5
2	982·8	983·3	983·5	983·8	984·2	984·4	984·7	985·1	985·7	986·2	986·6	986·8	986·9	987·0	987·1	987·1	987·3	987·6	988·1	988·3	988·4	988·4	988·6	988·7	986·1
3	988·5	988·4	988·4	988·5	988·6	989·4	989·6	990·0	990·4	990·6	990·8	991·3	991·8	991·8	992·0	992·6	992·8	993·4	993·9	994·2	994·6	995·2	995·7	995·9	991·5
4	996·0	996·1	996·2	996·5	996·6	996·8	997·0	997·2	997·8	997·5	997·4	997·0	996·9	996·9	996·8	996·7	996·7	996·6	996·8	997·2	997·5	997·8	997·8	997·7	996·9
5	997·7	997·5	997·3	996·6	996·5	996·5	996·5	996·8	997·0	996·9	996·6	996·3	995·9	995·7	995·4	995·2	995·2	995·6	995·9	996·2	996·2	996·3	996·4	996·5	996·4
6	996·7	997·1	997·0	997·0	997·2	997·6	998·2	998·7	999·0	999·4	999·6	000·1	000·1	000·1	999·8	999·9	000·0	000·2	000·5	000·9	001·0	001·1	001·2	000·8	999·2
7	000·9	000·8	000·6	000·6	000·6	000·6	000·9	001·2	001·3	001·4	001·3	001·3	001·3	001·2	001·1	001·0	001·3	001·6	002·1	002·5	003·0	003·3	003·3	003·4	001·5
8	003·2	003·1	003·1	002·9	003·0	002·9	002·8	002·5	002·3	002·6	002·4	002·0	002·1	002·3	002·8	002·9	003·0	003·1	003·4	003·8	004·0	004·2	004·3	004·1	**003·0**
9	004·0	003·6	003·1	003·0	002·8	002·9	003·0	003·1	002·9	002·9	002·5	002·0	001·7	001·5	001·2	000·8	000·4	000·2	000·7	000·7	000·5	000·4	000·3	000·2	001·9
10	999·8	999·6	999·3	999·1	998·8	998·8	998·8	998·8	998·6	998·4	997·9	997·3	997·0	996·6	996·4	995·8	995·6	995·6	995·5	995·5	995·4	995·0	994·7	994·4	997·3
11	993·8	993·4	992·7	991·9	991·4	991·1	990·8	990·5	990·1	989·4	989·1	988·6	988·0	987·2	986·8	985·8	985·3	984·9	984·2	983·8	982·7	982·0	980·7	979·8	988·0
12	978·7	977·5	976·1	975·1	973·9	972·8	971·7	970·6	969·5	968·4	967·2	966·0	964·6	963·3	962·4	961·8	960·8	960·5	960·1	959·7	959·3	958·7	958·3	958·1	966·9
13	957·6	957·4	957·1	957·1	957·0	956·9	957·0	957·3	957·4	957·3	957·2	957·4	957·5	957·7	957·9	958·2	958·4	958·7	959·1	959·6	959·9	960·2	960·7	961·4	**958·1**
14	961·9	962·4	962·7	962·9	963·4	964·0	964·4	965·1	965·6	966·5	967·3	968·0	968·6	969·2	969·9	970·9	971·7	972·6	973·2	974·1	974·5	975·6	976·1	976·4	969·3
15	976·9	977·4	977·8	978·8	979·4	980·4	981·5	982·7	983·4	984·1	985·0	985·5	985·7	986·2	986·6	987·0	987·4	987·8	988·0	988·3	988·4	988·2	988·0	988·0	984·0
16	987·4	986·5	985·6	984·7	984·0	983·1	982·5	981·6	981·2	980·3	979·4	978·3	977·0	975·7	974·6	973·5	973·4	972·7	972·6	972·5	972·2	972·5	972·3	972·6	978·5
17	972·7	972·1	971·9	971·4	970·9	971·4	970·9	970·8	970·7	971·2	971·4	971·8	971·9	972·2	972·8	973·8	975·5	977·7	979·6	981·8	983·3	985·0	986·2	987·1	974·9
18	988·0	988·7	989·3	991·0	990·3	990·7	991·3	991·4	992·1	991·6	991·5	991·5	991·4	991·2	991·0	991·1	991·0	990·7	990·6	990·3	990·1	989·5	988·8	988·7	990·5
19	987·8	986·6	985·1	983·3	981·6	980·5	979·0	978·1	978·0	976·9	977·0	976·2	976·3	975·6	975·7	975·4	975·5	975·5	975·8	975·3	974·9	974·4	975·3	976·2	978·4
20	976·7	977·4	978·6	980·0	981·3	082·9	984·7	985·6	987·0	987·7	988·8	988·9	989·4	989·6	990·3	990·3	990·7	991·3	991·5	991·5	991·5	991·4	991·1	990·6	986·7
21	990·4	990·0	989·9	989·8	989·8	989·8	990·1	990·6	991·1	991·7	992·5	993·1	993·5	993·3	993·6	994·2	994·2	994·5	994·8	995·1	995·0	995·0	994·8	994·4	992·5
22	994·2	994·0	993·9	993·4	993·4	993·3	993·6	993·6	993·8	993·7	993·7	993·8	993·3	993·6	993·7	994·0	994·1	994·2	994·6	994·7	995·1	994·9	994·8	994·8	994·0
23	994·6	994·6	994·5	994·6	994·6	994·7	994·5	994·4	994·2	994·3	993·7	993·4	992·9	992·1	991·5	991·0	990·6	990·1	990·0	990·1	990·2	990·0	989·6	988·7	992·6
24	988·4	988·0	987·4	987·1	986·9	986·7	986·6	986·6	986·5	986·4	986·1	985·5	985·1	984·8	984·4	983·6	983·7	983·5	983·6	983·4	983·2	983·4	983·5	983·0	985·4
25	982·8	982·5	982·1	981·7	981·6	981·3	981·0	981·1	981·3	981·0	980·5	980·2	979·6	978·9	978·7	978·3	978·0	977·9	977·8	977·4	977·0	976·4	975·8	975·1	979·7
26	974·3	974·3	973·7	973·1	972·7	972·1	972·2	971·8	971·7	971·5	971·4	971·1	970·9	970·7	970·4	970·5	970·7	970·8	971·3	971·7	791·7	972·1	972·5	972·6	972·0
27	972·8	972·9	972·9	973·3	973·4	973·8	974·3	975·0	975·2	975·8	976·1	976·4	976·8	976·6	976·8	977·1	977·4	977·9	978·5	979·1	979·1	979·1	979·1	978·8	976·0
28	978·4	978·4	978·4	977·9	978·0	977·8	977·8	977·9	978·0	977·7	977·6	977·5	977·3	977·2	977·3	977·6	978·1	978·6	978·9	979·6	980·3	981·3	982·2	982·6	978·5
29	983·1	983·7	984·2	985·1	986·0	987·1	988·0	988·8	989·3	989·8	990·3	990·6	990·0	991·1	991·1	991·3	992·0	993·1	993·1	993·5	993·2	993·8	993·9	993·7	989·6
30	993·6	993·5	993·2	993·2	993·4	993·2	992·9	992·8	992·6	992·1	992·0	991·5	990·9	990·5	990·1	989·1	988·6	988·3	988·1	987·7	987·2	986·8	986·5	986·6	990·9
Mean (Station level)	985 ·97	985 ·88	985 ·72	985 ·64	985 ·58	985 ·67	985 ·77	985 ·90	986 ·01	986 ·04	986 ·02	985 ·90	985 ·76	985 ·61	985 ·58	**985 ·54**	985 ·65	985 ·86	986 ·12	986 ·34	986 ·38	986 ·47	**986 ·49**	986 ·45	985 ·92
Mean (Sea level)	1014 ·86	1014 ·79	1014 ·62	1014 ·53	1014 ·48	1014 ·57	1014 ·61	1014 ·64	1014 ·61	1014 ·37	1014 ·28	1014 ·32	1014 ·13	**1013 ·93**	1013 ·94	**1013 ·93**	1014 ·10	1014 ·40	1014 ·76	1015 ·06	1015 ·15	1015 ·26	1015 ·32	**1015 ·34**	1014 ·62

Station Level

106. Eskdalemuir : H_b =237·3 metres. **October, 1922.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	986·7	986·8	987·2	987·4	987·7	988·3	988·7	989·4	989·5	990·0	990·4	990·5	990·4	990·4	990·0	990·1	990·1	990·2	990·2	989·9	989·7	989·5	988·9	988·4	989·1
2	987·9	987·8	987·5	986·8	986·6	986·8	986·8	986·9	987·1	986·9	986·9	986·9	987·0	987·0	987·0	987·0	986·9	987·4	987·5	988·0	987·9	987·8	988·1	988·0	987·3
3	987·9	987·4	987·2	987·0	986·7	986·6	986·7	986·7	986·6	986·5	986·5	986·2	985·7	985·4	985·2	984·9	984·6	984·5	984·3	984·2	984·1	983·7	983·3	982·8	985·7
4	983·4	983·1	981·8	981·6	981·5	981·5	981·7	982·0	982·2	981·8	982·4	982·4	982·3	982·1	981·7	981·7	981·5	981·4	981·1	981·0	981·0	980·6	980·1	979·7	981·7
5	979·2	978·7	978·3	977·9	977·5	976·9	976·8	977·0	977·2	977·6	977·6	977·6	978·0	978·3	978·7	979·2	979·9	981·2	981·8	982·7	984·1	985·1	986·0	987·0	**979·6**
6	987·9	988·7	989·7	990·7	991·6	992·6	993·8	994·7	995·4	995·5	995·8	996·3	996·5	996·6	997·0	997·5	997·9	998·5	999·0	999·4	999·8	000·1	000·2	000·3	995·4
7	000·3	000·3	000·5	000·5	000·5	000·6	000·8	001·2	001·2	001·3	001·3	001·0	000·8	000·7	000·7	000·4	000·7	000·8	001·0	001·2	001·4	001·3	001·3	001·5	000·9
8	001·3	001·2	001·1	001·0	001·1	001·1	001·2	001·2	001·2	001·3	001·2	000·9	000·5	000·3	000·2	000·0	000·1	000·2	000·2	000·3	000·6	000·4	000·3	000·2	000·7
9	000·0	999·8	999·4	999·2	998·7	998·7	998·9	998·7	998·7	998·7	998·6	998·3	998·0	997·6	997·1	997·0	996·9	997·1	997·0	996·9	996·8	996·7	996·4	996·3	998·1
10	995·8	995·7	995·3	995·4	995·2	995·1	994·8	994·7	994·4	994·2	994·0	993·5	993·1	992·3	992·1	991·5	991·5	991·5	991·4	991·4	991·3	990·9	990·5	990·1	993·3
11	989·7	989·1	988·6	988·5	988·1	987·6	987·5	987·4	987·2	986·2	985·6	985·1	984·6	984·0	983·7	983·4	983·4	983·4	983·1	983·0	983·1	983·1	982·8	982·6	985·6
12	982·5	982·8	982·7	983·0	983·1	983·3	983·9	984·6	984·8	985·0	985·3	985·2	985·2	985·1	985·4	986·0	986·6	987·3	988·1	988·9	989·7	990·1	989·9	989·5	985·4
13	990·0	990·1	990·2	990·5	990·5	990·5	989·9	991·1	991·1	991·4	991·5	991·5	990·9	990·8	991·0	991·0	991·1	991·2	991·6	991·8	991·7	991·8	991·5	991·4	991·0
14	991·4	991·4	991·3	991·3	991·5	991·7	992·3	992·7	992·4	992·3	992·3	992·2	992·0	992·0	991·8	991·8	991·8	992·0	992·1	992·2	992·1	992·2	992·1	992·2	991·9
15	991·8	991·4	991·4	991·2	991·4	991·4	991·4	991·4	991·2	991·3	991·5	991·2	991·0	990·7	990·6	990·4	990·7	991·1	991·5	991·7	991·9	992·0	992·2	992·3	991·4
16	992·4	992·0	992·1	992·3	992·5	992·9	993·5	993·9	993·7	994·5	994·4	994·4	994·2	994·0	993·7	993·7	994·1	994·3	994·6	994·8	994·7	994·8	994·9	994·8	993·7
17	994·6	994·6	994·6	994·3	994·5	994·5	994·9	995·0	995·0	995·0	995·1	995·1	994·9	994·9	994·5	995·1	995·5	995·7	996·3	996·6	996·8	997·2	997·4	997·6	995·3
18	997·8	997·8	997·9	998·1	998·5	998·8	999·0	999·4	999·6	999·7	000·0	000·0	000·0	000·0	999·9	000·1	000·3	000·7	001·1	001·4	001·7	001·8	002·0	002·1	999·8
19	002·1	002·1	001·8	001·9	002·1	002·1	002·2	002·4	002·8	002·7	002·5	002·0	001·6	001·2	000·9	000·6	000·3	000·3	000·1	000·0	999·7	999·5	999·1	998·6	**001·3**
20	998·3	997·6	997·1	996·8	996·2	996·0	996·0	996·0	995·9	995·7	995·2	994·7	994·4	994·1	993·9	993·7	993·9	994·1	994·3	994·1	994·1	993·9	994·1	994·0	995·3
21	994·0	993·7	993·6	993·8	994·1	994·6	995·0	995·6	996·1	995·9	996·2	996·3	996·2	996·1	995·9	996·0	996·0	996·3	996·3	996·4	996·1	996·0	995·8	995·5	995·4
22	995·2	995·1	994·7	994·2	994·1	994·0	994·1	994·2	994·1	993·7	993·4	993·5	992·9	992·6	992·4	992·2	992·2	992·1	992·4	992·2	992·4	992·6	992·5	992·0	993·4
23	991·9	991·6	991·6	991·3	991·4	991·4	991·5	991·8	991·6	991·1	991·4	991·5	991·4	991·3	991·7	991·6	991·8	991·7	992·1	992·2	992·6	992·8	992·8	993·1	991·8
24	993·0	992·9	993·0	993·0	993·2	993·4	993·6	994·2	994·9	995·1	995·1	994·9	994·8	994·9	995·1	995·0	995·2	995·5	993·9	996·1	996·1	996·3	996·2	996·3	994·7
25	996·2	996·1	995·9	995·8	995·8	995·9	996·1	996·2	996·2	996·4	996·1	995·8	995·7	995·2	995·0	994·7	994·9	995·0	994·9	994·6	994·4	994·6	994·4	994·2	995·5
26	994·1	993·5	992·9	992·6	992·6	992·2	992·3	992·2	991·8	991·4	990·9	990·4	990·2	989·5	989·0	988·4	988·2	988·3	988·4	988·2	988·3	988·1	988·1	987·8	990·5
27	987·5	987·0	986·5	986·4	986·4	986·5	986·5	987·0	987·1	987·1	987·7	987·6	987·9	988·2	988·8	989·3	989·9	990·7	991·4	992·0	992·1	992·5	992·9	993·3	988·7
28	993·6	993·6	993·8	994·0	994·3	994·8	995·2	996·0	996·1	996·5	996·8	996·4	996·3	996·1	995·9	995·9	995·7	995·8	995·8	995·7	996·0	995·6	995·0	995·3	995·4
29	994·6	994·0	993·2	992·6	992·1	991·7	991·5	991·2	991·0	990·5	989·9	989·0	988·2	987·4	986·6	985·9	985·5	985·2	984·9	984·4	983·9	983·3	982·9	982·4	988·7
30	982·1	981·3	980·8	980·5	980·2	980·0	980·2	980·4	980·5	980·3	980·5	980·3	980·4	980·3	980·5	980·8	981·3	981·5	981·7	981·7	982·3	982·5	982·6	982·7	981·1
31	982·5	982·8	983·0	983·2	983·3	983·5	983·7	984·1	984·3	984·1	984·2	983·7	983·2	983·1	982·4	982·2	981·7	981·5	981·0	980·3	979·5	978·2	976·7	975·1	982·1
Mean (Station level)	991 ·80	991 ·61	991 ·44	991 ·38	991 ·39	991 ·45	991 ·63	991 ·91	**991 ·96**	991 ·93	991 ·95	991 ·75	991 ·56	991 ·36	991 ·23	**991 ·18**	991 ·28	991 ·48	991 ·62	991 ·69	991 ·76	991 ·76	991 ·66	991 ·53	991 ·60
Mean (Sea level)	1021 ·11	1020 ·96	1020 ·80	1020 ·76	1020 ·78	1020 ·85	1021 ·04	**1021 ·28**	1021 ·18	1020 ·98	1020 ·91	1020 ·63	1020 ·41	1020 ·21	**1020 ·10**	1020 ·13	1020 ·35	1024 ·64	1020 ·85	1020 ·94	1021 ·03	1021 ·03	1020 ·94	1020 ·83	1020 ·79

Station Level

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

107. Eskdalemuir : H_b (height of barometer cistern above M.S.L.) =237·3 metres. **November, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	974·0	972·4	970·8	968·7	966·7	964·5	962·2	959·5	957·6	957·5	957·5	957·7	958·2	958·6	960·2	961·1	962·1	963·5	963·9	964·9	966·0	966·9	967·6	968·3	963·9
2	969·1	969·6	970·0	970·3	970·5	971·1	971·9	972·5	972·8	972·9	973·3	973·2	973·3	973·4	973·2	972·9	972·8	972·6	972·8	972·8	972·4	971·6	971·3	970·7	971·9
3	970·0	969·7	969·5	969·1	968·4	968·2	968·3	968·1	967·9	967·9	967·8	967·7	966·9	966·7	966·7	966·5	966·7	967·1	967·6	967·5	968·0	968·6	969·2	969·8	968·1
4	970·8	971·5	972·0	972·4	972·4	973·1	974·2	975·3	976·0	977·1	978·3	978·9	979·3	980·4	981·0	981·7	982·5	983·2	983·7	984·5	985·0	985·2	985·3	985·4	978·4
5	985·6	985·3	985·2	985·1	984·9	984·6	984·6	984·2	983·8	983·4	982·5	981·1	980·0	978·8	977·7	976·4	975·1	974·1	972·8	971·3	970·0	968·3	967·0	965·5	979·1
6	964·2	962·9	961·3	960·0	958·5	957·3	956·5	955·8	954·9	954·0	953·6	952·9	952·5	952·1	952·0	952·2	952·3	952·6	952·7	952·8	953·5	954·2	955·0	955·9	**955·6**
7	956·8	957·8	957·5	959·4	960·5	961·6	963·2	964·4	965·6	967·1	968·2	969·3	970·0	970·7	971·0	971·9	972·7	973·8	974·4	975·0	975·3	975·7	976·4	976·6	967·8
8	976·8	976·6	976·6	976·4	976·4	976·5	976·7	976·7	976·7	976·8	976·8	976·8	977·0	977·1	977·1	977·4	978·1	978·4	979·1	980·0	980·7	981·4	982·3	983·3	977·9
9	983·9	984·9	985·7	987·2	988·3	989·1	990·3	991·0	991·5	992·2	992·5	992·6	992·4	992·2	992·1	991·7	991·3	990·8	990·3	989·6	989·3	988·1	986·7	985·5	989·5
10	984·3	983·0	982·3	981·0	980·0	978·8	977·8	977·0	975·9	974·6	973·5	972·4	971·7	971·1	970·7	970·8	970·8	971·5	972·9	975·2	977·7	980·0	981·8	983·3	976·6
11	985·1	986·3	987·7	988·6	989·7	990·9	991·6	992·6	993·4	994·0	994·5	994·6	994·9	995·1	995·7	996·2	996·7	997·5	997·5	997·5	997·8	997·6	997·6	998·0	993·5
12	998·2	998·3	998·4	998·3	998·4	998·2	998·6	999·0	998·7	998·7	998·9	998·5	998·5	998·5	998·5	998·6	998·5	998·8	998·8	998·4	998·7	998·7	998·7	999·1	998·6
13	999·2	999·5	999·3	999·4	999·5	999·5	999·6	000·0	000·0	000·4	000·3	000·3	000·4	000·4	000·5	000·8	001·0	001·4	001·4	001·4	001·3	001·3	001·1	001·3	000·3
14	001·1	001·2	001·1	000·7	000·6	000·8	001·1	001·6	001·7	002·1	002·2	002·2	002·3	003·1	003·5	004·1	004·9	005·5	006·1	006·9	007·8	008·2	009·1	009·7	003·5
15	010·0	010·2	010·6	010·8	010·8	011·2	011·7	012·1	012·6	013·0	012·9	012·7	012·6	012·5	012·4	012·4	012·6	012·5	012·6	012·5	012·8	012·7	012·7	012·7	**012·0**
16	012·8	012·7	012·6	012·2	012·1	011·8	011·6	011·7	011·5	011·3	011·3	011·1	010·9	010·0	009·8	009·2	008·8	008·7	009·1	009·3	009·0	008·6	007·8	008·1	010·6
17	007·9	007·5	007·4	006·8	006·5	005·8	005·7	006·0	005·1	004·9	004·6	004·0	002·4	002·5	002·3	002·2	002·1	001·9	001·1	000·1	999·6	999·4	998·6	998·8	003·7
18	998·4	998·2	997·9	997·6	997·2	997·7	998·0	997·9	998·3	997·9	998·1	998·2	998·2	998·3	998·5	998·6	998·3	998·5	998·8	998·8	998·9	998·6	998·5	998·4	998·3
19	998·0	998·1	996·8	997·0	997·0	997·1	997·3	997·5	997·5	997·5	997·4	997·1	996·7	996·6	996·6	996·2	996·3	996·1	996·0	996·0	995·9	995·8	995·4	995·7	996·8
20	995·5	995·9	996·0	996·1	996·3	996·5	997·1	997·4	997·8	998·1	998·2	998·0	998·1	998·2	998·2	998·6	999·0	999·5	999·7	999·9	000·2	000·3	000·5	000·7	998·1
21	000·7	000·8	001·0	000·9	000·8	000·9	001·2	001·5	001·5	001·7	001·6	001·6	001·0	000·6	000·6	000·5	000·4	000·3	000·4	000·2	999·7	999·3	999·3	999·2	000·7
22	998·8	998·7	998·5	998·3	998·6	998·6	998·8	999·0	999·8	000·0	000·1	999·9	999·8	999·3	999·3	999·3	999·3	999·5	999·6	999·6	999·5	999·5	999·3	999·2	999·3
23	998·8	998·8	998·6	998·0	998·2	998·4	998·5	998·7	998·5	998·6	998·5	998·1	997·7	997·8	998·1	998·4	998·4	998·4	998·8	999·4	999·7	000·1	000·8	001·1	998·7
24	001·8	002·4	002·7	003·2	004·4	005·0	005·8	006·5	007·1	007·9	008·1	008·3	008·7	009·0	009·1	009·7	010·4	011·0	011·4	011·7	012·3	012·3	012·3	012·4	007·8
25	012·1	012·0	011·7	011·4	011·0	010·7	010·0	009·5	008·8	008·6	008·1	007·3	006·4	004·9	004·3	003·4	002·8	002·0	001·6	000·7	999·7	998·5	997·3	996·5	006·1
26	996·0	995·3	994·4	993·3	992·3	991·6	991·3	991·2	992·8	993·5	993·9	994·4	994·4	995·1	995·7	996·5	996·9	997·9	998·4	998·8	999·6	999·7	999·7	999·8	995·5
27	999·8	000·1	000·0	000·1	000·1	000·2	000·2	000·3	000·4	000·4	000·1	999·9	999·5	999·4	999·3	999·2	998·9	998·7	998·2	998·0	998·0	997·1	996·4	995·6	999·2
28	994·0	991·8	990·7	989·5	989·1	988·5	989·7	988·8	988·3	990·2	990·4	990·0	990·1	990·0	989·4	990·0	989·8	989·8	989·4	988·7	988·4	987·5	987·0	986·1	989·7
29	985·7	986·7	985·2	985·7	986·4	986·3	986·8	986·3	987·5	988·7	990·7	990·9	990·8	991·1	991·1	991·8	992·8	993·4	993·6	994·0	994·1	994·1	994·1	994·0	988·9
30	993·6	993·5	993·1	993·5	992·4	992·7	991·7	991·2	990·9	990·3	989·3	988·5	987·3	986·3	985·6	984·7	983·9	983·0	982·5	982·5	982·0	981·4	981·7	981·5	987·9
Mean (Station level)	990 ·80	990 ·72	990 ·49	990 ·37	990 ·27	**990 ·24**	990 ·40	990 ·44	990 ·50	990 ·71	990 ·77	990 ·61	990 ·40	990 ·33	990 ·34	990 ·43	990 ·54	990 ·73	990 ·84	990 ·93	**991 ·10**	991 ·02	991 ·02	991 ·07	990 ·62
Mean (Sea level)	1020 ·18	1020 ·10	1019 ·88	1019 ·78	1019 ·69	1019 ·67	1019 ·85	1019 ·88	1019 ·92	1020 ·01	1019 ·98	1019 ·76	1019 ·50	**1019 ·43**	1019 ·48	1019 ·64	1019 ·80	1020 ·01	1020 ·14	1020 ·26	1020 ·43	1020 ·36	1020 ·37	**1020 ·45**	1019 ·93

108. Eskdalemuir : H_b=237·3 metres. **December, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	980·7	980·7	980·5	980·3	980·1	980·5	980·7	981·6	982·1	982·0	983·3	984·1	984·9	985·3	987·0	987·5	988·4	989·3	989·7	990·0	991·1	991·2	991·4	991·5	985·0
2	991·5	991·6	991·4	991·6	991·6	991·9	992·1	992·4	992·5	993·0	993·1	993·4	993·1	993·2	993·0	993·0	993·2	993·8	994·1	994·8	995·1	995·4	995·5	996·3	993·1
3	996·4	996·8	997·2	997·6	997·9	997·8	998·1	998·6	998·7	999·2	999·4	999·2	999·1	999·2	999·4	999·7	999·8	000·1	999·9	999·7	999·9	999·9	999·7	999·9	998·8
4	000·2	999·7	999·7	999·5	999·9	999·9	999·8	999·8	000·5	000·6	000·4	000·2	000·3	000·0	999·4	998·9	999·2	999·3	999·2	999·1	998·9	998·2	998·3	998·1	999·6
5	997·5	997·1	996·7	995·9	995·9	995·6	995·0	994·8	994·8	994·3	993·6	992·6	990·4	987·6	986·9	985·3	985·6	985·5	985·5	986·4	987·1	988·0	989·7	990·5	991·5
6	990·8	991·1	991·5	991·6	991·8	992·2	992·5	992·8	993·1	993·6	993·7	993·9	994·7	995·2	996·2	996·8	997·1	997·5	998·5	999·0	999·0	999·0	999·1	999·2	994·8
7	998·8	998·7	998·1	996·4	995·5	995·0	994·8	994·7	994·6	993·9	993·3	992·7	991·6	990·7	990·5	990·7	990·3	990·3	990·4	990·5	991·0	990·5	990·4	990·3	993·2
8	990·7	990·6	990·7	990·4	990·5	991·0	991·4	991·8	992·2	992·4	992·6	992·6	992·6	992·5	992·6	993·1	993·3	993·7	993·9	994·1	994·3	994·5	994·4	994·[illegible]	992·4
9	994·0	993·9	994·0	993·8	994·1	994·2	994·1	994·4	994·6	995·1	995·3	995·5	995·5	995·8	996·4	996·8	997·6	998·4	998·5	998·5	998·5	999·1	999·2	999·4	996·0
10	999·5	999·3	999·4	999·4	999·1	999·6	000·2	000·4	000·6	000·9	001·0	000·8	000·6	000·4	000·5	000·5	000·4	000·8	000·6	000·5	000·4	000·2	000·1	000·0	**000·2**
11	999·5	999·2	998·8	998·4	998·4	998·0	997·8	997·6	997·4	997·2	996·8	996·1	995·2	994·6	994·2	993·6	993·4	993·1	993·0	992·5	992·0	991·5	991·2	990·6	995·6
12	990·2	989·8	989·1	988·8	988·4	987·7	987·6	987·5	987·7	988·0	988·0	987·7	987·4	987·1	986·5	986·1	985·6	985·1	983·7	982·5	981·8	981·5	981·4	981·1	986·5
13	980·8	980·6	980·1	979·5	980·5	980·7	979·7	980·2	981·2	982·2	982·8	983·4	983·5	983·4	983·5	983·3	983·3	982·7	982·5	982·5	982·1	981·8	981·6	981·4	981·8
14	981·5	981·3	981·1	981·0	980·6	980·5	980·3	981·1	982·0	982·6	983·0	983·3	983·6	984·0	984·1	984·9	985·4	986·0	986·5	986·8	987·4	987·7	988·1	988·4	983·7
15	988·6	988·7	988·7	988·6	988·6	988·8	988·7	989·1	989·4	989·5	989·1	989·1	988·6	988·3	988·3	988·1	988·0	988·2	988·0	988·0	987·8	987·6	987·3	987·2	988·5
16	986·0	986·3	985·9	985·5	984·7	984·4	984·1	983·7	983·6	982·9	982·7	982·1	981·5	981·0	980·5	980·0	979·8	979·3	978·8	978·0	977·7	977·1	976·6	975·8	981·8
17	975·2	974·6	974·1	973·6	973·1	972·5	972·1	972·2	972·5	972·7	972·6	972·3	971·4	970·9	970·6	970·2	969·8	969·1	968·5	968·0	967·3	966·2	965·7	964·9	971·1
18	963·5	962·4	961·5	960·8	060·1	959·8	959·2	959·0	958·8	958·4	958·3	957·9	957·2	956·3	955·8	955·9	955·7	955·7	955·2	954·9	954·5	954·5	954·1	953·2	957·9
19	952·4	951·1	950·5	050·2	949·9	949·7	949·9	950·0	950·1	950·2	951·1	951·8	952·5	953·2	953·8	954·9	955·8	955·9	956·0	956·2	956·3	956·8	956·8	956·6	952·9
20	956·4	956·7	956·5	956·3	956·3	955·8	955·7	955·6	955·9	956·1	956·1	956·0	955·8	955·7	955·7	955·9	956·3	956·4	957·0	957·4	957·8	958·2	958·9	959·7	956·5
21	961·2	961·7	962·2	962·5	962·7	963·4	964·0	963·9	964·6	964·7	964·6	963·8	962·4	961·1	959·4	957·7	955·9	954·5	953·1	952·3	952·0	950·8	950·3	949·5	959·3
22	949·7	949·7	949·7	949·9	949·5	950·1	950·2	949·9	949·8	949·1	948·4	948·3	947·3	946·7	945·3	945·2	945·3	945·5	945·6	945·8	945·9	945·4	945·8	946·0	947·7
23	945·3	945·4	945·2	945·4	946·4	948·1	949·7	951·4	952·6	954·2	955·3	956·7	957·1	958·0	958·8	960·0	961·1	962·2	963·1	964·2	965·7	966·8	967·5	968·5	955·7
24	968·8	969·5	970·2	972·6	973·6	974·2	974·8	975·9	977·2	978·3	978·5	978·5	978·6	978·5	978·9	979·2	979·3	979·0	979·4	978·6	978·2	977·2	976·5	975·8	976·2
25	974·3	972·9	971·2	969·5	968·2	966·7	965·4	964·1	962·9	961·9	961·6	961·3	961·1	961·3	961·5	961·6	962·1	961·8	962·2	962·9	963·7	963·9	964·9	965·7	964·9
26	966·1	965·8	966·0	966·4	966·1	966·4	966·4	967·4	967·9	968·6	969·0	969·2	969·1	969·8	970·4	971·2	971·1	971·1	971·6	971·5	970·6	970·8	970·5	969·8	968·8
27	969·1	968·7	968·5	968·2	967·4	967·1	966·7	966·5	966·1	965·9	965·5	964·3	963·9	963·7	963·3	962·7	961·6	961·3	960·9	960·8	960·8	961·2	961·0	962·1	964·7
28	962·4	963·7	963·6	964·0	963·7	963·6	963·6	963·4	963·6	964·6	964·1	964·1	963·6	963-2	963·1	963·2	962·6	961·6	960·0	960·1	959·3	958·7	957·7	956·5	962·4
29	955·4	954·4	953·1	952·5	951·9	951·4	951·2	951·2	951·1	950·9	950·8	950·6	950·1	949·6	949·2	948·9	947·9	947·3	946·5	945·6	944·6	943·6	941·6	940·7	949·5
30	939·2	938·0	938·0	937·5	937·0	936·9	936·8	937·0	937·3	937·7	938·7	939·2	940·4	941·7	942·7	943·5	944·6	945·9	947·2	948·2	949·0	949·6	950·4	951·4	**941·8**
31	952·2	952·9	953·2	954·0	954·8	955·6	956·4	957·3	958·3	959·4	960·4	960·8	961·5	962·5	963·6	964·6	965·8	966·7	768·0	968·8	969·8	970·6	971·6	972·0	961·3
Mean (Station level)	975 ·08	975 ·03	975 ·69	975 ·54	**975 ·43**	975 ·46	975 ·45	975 ·66	975 ·93	976 ·13	**976 ·23**	976 ·18	975 ·96	975 ·83	975 ·84	975 ·91	975 ·98	976 ·04	976 ·07	976 ·07	976 ·12	976 ·05	976 ·07	976 ·02	975 ·91
Mean (Sea level)	1005 ·11	1004 ·95	1004 ·70	1004 ·55	**1004 ·42**	1004 ·45	1004 ·44	1004 ·66	1004 ·91	1005 ·08	**1005 ·15**	1005 ·08	1004 ·84	1004 ·70	1004 ·74	1004 ·84	1004 ·94	1005 ·01	1005 ·06	1005 ·07	1005 ·13	1005 ·08	1005 ·11	1005 ·07	1004 ·89
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

ANNUAL MEANS OF HOURLY VALUES.

From readings in millibars at exact hours, Greenwich Mean Time.

109. Eskdalemuir : H_b=237·3 metres. **1922.**

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Station Level	mb. 983·51	mb. 983·35	mb. 983·15	mb. 983·03	mb. 982·98	mb. 983·00	mb. 983·06	mb. 983·18	mb. 983·26	mb. 983·26	mb. 983·26	mb. 983·17	mb. 983·07	mb. 982·98	mb. 982·93	**mb. 982·92**	mb. 983·00	mb. 983·14	mb. 983·30	mb. 983·46	mb. 983·59	**mb. 983·63**	**mb. 983·63**	mb. 983·60	mb. 983·25
Sea Level	012·62	012·47	012·27	012·17	012·13	012·15	012·17	012·24	012·25	012·16	012·08	011·93	011·78	011·66	**011·60**	**011·60**	011·72	011·90	012·13	012·36	012·57	012·66	**012·69**	**012·69**	012·17

PRESSURE AT STATION LEVEL; MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

110. Eskdalemuir : H_b=237·3 metres. **1922.**

Month	Mean	Hour 1. / G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Jan.	978·14	+0·48	+0·26	+0·16	−0·10	−0·32	−0·48	−0·46	−0·38	−0·21	−0·27	−0·25	−0·44	−0·65	**−0·67**	−0·56	−0·29	−0·02	+0·23	+0·41	+0·62	+0·74	+0·69	**+0·72**
Feb.	977·61	+0·53	+0·30	−0·03	−0·24	−0·38	**−0·44**	−0·39	−0·25	−0·09	−0·04	+0·05	0·00	−0·11	−0·29	−0·34	−0·38	−0·30	−0·10	+0·04	+0·19	+0·34	+0·53	**+0·69**
Mar.	982·36	+0·47	+0·30	−0·05	−0·20	−0·29	−0·36	−0·34	−0·17	+0·03	+0·01	+0·04	−0·05	−0·11	−0·33	−0·47	**−0·49**	−0·37	−0·09	+0·16	+0·34	+0·45	+0·50	**+0·56**
April	978·61	+0·01	−0·12	−0·22	−0·23	−0·14	+0·09	+0·20	+0·31	**+0·38**	+0·30	+0·19	+0·11	+0·09	−0·06	−0·26	−0·38	**−0·41**	−0·31	−0·16	+0·12	+0·15	+0·15	+0·13	+0·07
May	987·93	+0·30	+0·19	+0·06	−0·02	−0·02	0·00	0·00	+0·05	−0·02	−0·16	−0·22	−0·25	−0·25	−0·27	−0·27	−0·31	**−0·35**	−0·26	−0·08	+0·16	+0·36	+0·49	**+0·51**	+0·41
June	985·24	+0·18	−0·02	−0·22	**−0·24**	−0·16	−0·09	−0·05	+0·08	+0·03	−0·06	−0·08	−0·11	−0·10	−0·04	−0·11	−0·15	−0·20	−0·16	−0·02	+0·14	+0·36	**+0·42**	+0·39	+0·28
July	981·49	+0·46	+0·27	+0·11	−0·07	−0·12	−0·16	−0·12	−0·22	−0·25	−0·29	−0·31	**−0·36**	−0·31	−0·29	−0·33	**−0·36**	−0·25	−0·14	+0·08	+0·24	+0·49	+0·57	**+0·65**	+0·63
Aug.	983·29	+0·14	+0·02	−0·16	−0·25	**−0·29**	−0·23	−0·11	+0·03	+0·11	+0·07	+0·02	−0·02	−0·03	−0·07	−0·10	−0·22	−0·18	−0·18	−0·05	+0·19	+0·35	**+0·43**	+0·38	+0·23
Sept.	985·92	+0·22	+0·12	−0·06	−0·15	−0·23	−0·15	−0·07	+0·04	+0·14	+0·15	+0·12	−0·02	−0·18	−0·34	−0·39	**−0·44**	−0·35	−0·16	+0·09	+0·29	+0·32	+0·30	**+0·40**	+0·34
Oct.	991·60	+0·03	−0·14	−0·30	−0·34	−0·32	−0·24	−0·05	+0·25	+0·31	+0·31	**+0·33**	+0·15	−0·02	−0·21	−0·32	**−0·36**	−0·24	−0·03	+0·13	+0·21	+0·30	+0·31	+0·23	+0·11
Nov.	990·62	+0·28	+0·19	−0·05	−0·18	−0·29	**−0·33**	−0·18	−0·14	−0·09	+0·11	+0·16	−0·01	−0·23	−0·31	−0·31	−0·23	−0·12	+0·06	+0·16	+0·24	**+0·40**	+0·31	+0·30	+0·35
Dec.	975·91	+0·03	−0·11	−0·34	−0·47	**−0·57**	−0·53	−0·52	−0·30	−0·02	+0·19	+0·31	+0·27	+0·06	−0·05	−0·03	+0·05	+0·13	+0·21	+0·25	+0·26	**+0·33**	+0·27	+0·30	+0·27
Year	983·23	+0·26	+0·10	−0·10	−0·21	−0·26	−0·24	−0·18	−0·06	+0·02	+0·03	+0·03	−0·06	−0·16	−0·25	−0·29	**−0·30**	−0·22	−0·08	+0·08	+0·24	+0·38	**+0·42**	**+0·42**	+0·39

ABSOLUTE EXTREMES OF PRESSURE AT STATION LEVEL FOR EACH DAY.

Maximum and Minimum for the interval 0h. to 24h., Greenwich Mean Time.

111. Eskdalemuir : H_b=237·3 metres. **1922.**

Month	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	988·2	974·8	978·1	969·2	972·8	965·8	982·4	980·3	983·3	978·9	991·0	985·2	983·2	970·2	985·9	980·9	982·5	975·4	990·5	986·6	975·1	957·5	991·5	979·9
2	981·9	969·8	977·4	955·7	987·4	972·8	982·1	973·8	980·6	978·4	986·5	980·8	974·0	968·0	989·1	985·9	988·7	982·5	988·4	986·6	973·4	968·3	996·3	991·0
3	985·9	980·1	967·5	**953·7**	984·0	977·4	973·8	964·8	980·5	973·4	993·6	986·5	981·2	973·9	989·0	987·5	995·9	988·4	988·0	982·8	970·7	966·5	000·2	996·3
4	988·9	985·9	985·7	967·5	980·4	975·4	975·5	967·0	976·0	**970·9**	994·1	991·0	981·2	972·0	990·0	987·6	997·8	995·9	983·4	979·7	985·4	969·8	000·6	998·1
5	991·2	984·8	995·5	985·7	979·3	963·5	980·8	975·5	989·6	**970·9**	993·3	991·0	976·4	966·3	990·0	986·9	997·7	995·1	987·0	976·8	985·6	965·5	998·1	985·3
6	984·8	978·8	995·8	992·5	969·3	961·5	983·6	980·8	995·5	989·6	993·1	990·2	974·6	**952·8**	986·9	982·8	001·2	996·5	000·3	987·0	965·5	**952·0**	999·2	990·5
7	978·8	973·4	992·5	986·5	963·3	957·7	981·8	975·1	999·6	995·2	990·4	986·5	985·5	974·6	983·2	981·5	003·4	000·5	001·5	000·3	976·6	955·9	999·3	990·3
8	977·3	964·3	994·6	986·4	961·4	**953·4**	983·7	975·8	000·5	997·5	987·9	987·0	985·2	971·1	981·5	976·9	**004·4**	001·8	001·5	000·0	983·3	976·3	994·6	990·3
9	982·1	970·5	998·7	994·1	981·8	960·1	987·1	983·7	**001·4**	996·5	987·5	981·5	980·7	969·8	991·0	978·1	004·1	000·2	000·2	996·3	993·0	983·3	999·4	993·8
10	992·6	982·1	**000·4**	997·9	993·8	981·8	983·9	974·4	996·1	992·1	987·7	980·6	994·3	980·7	**995·4**	991·0	000·2	994·3	996·3	990·1	985·5	970·6	**000·8**	999·4
11	998·3	988·5	**000·4**	994·7	997·0	992·4	974·4	969·7	992·1	986·0	993·4	987·7	**996·6**	994·3	995·3	990·3	994·4	979·8	990·1	982·6	998·0	983·3	000·0	990·6
12	**001·5**	994·5	994·8	979·5	**005·6**	996·6	970·3	957·1	988·8	985·1	993·5	987·8	995·5	987·7	990·3	978·1	979·8	958·1	990·1	982·5	999·1	998·0	990·6	981·1
13	994·5	984·5	987·4	979·4	**005·6**	000·9	974·0	957·1	990·1	988·8	**995·2**	986·5	987·7	975·0	984·1	979·8	961·4	**956·9**	992·0	989·9	001·5	999·1	983·5	979·4
14	990·6	984·4	989·1	985·9	000·9	997·1	974·1	957·2	989·1	984·9	995·0	986·2	975·2	973·8	987·0	984·1	976·4	961·4	992·7	991·3	009·7	000·6	988·4	980·2
15	988·6	953·1	985·9	976·9	998·7	997·3	966·6	**953·9**	985·1	981·2	990·7	986·2	977·3	974·7	987·0	985·5	988·4	976·4	992·3	990·3	**013·0**	009·7	989·5	987·2
16	964·8	**952·9**	976·9	972·6	998·6	996·5	992·9	966·6	981·2	973·7	990·6	988·0	983·5	976·4	985·5	976·9	988·0	972·2	994·9	992·0	012·8	009·8	987·2	975·8
17	976·0	964·8	975·6	964·4	997·6	993·1	004·8	992·9	973·9	971·1	990·2	987·6	984·8	983·2	984·0	973·4	987·1	970·4	997·6	994·1	008·1	998·6	975·8	964·9
18	975·9	965·6	975·8	962·9	993·1	989·0	**006·3**	004·7	983·7	972·1	991·9	989·1	987·5	983·8	993·0	984·0	992·1	987·1	002·1	997·6	998·9	997·2	964·9	953·2
19	970·8	963·8	975·8	960·1	990·5	987·0	006·0	999·8	992·2	983·3	991·8	988·5	990·1	987·4	993·7	991·2	988·7	974·4	**002·9**	998·6	998·4	995·3	956·9	949·6
20	975·5	970·7	969·7	964·8	990·1	987·5	999·8	994·8	994·7	991·5	991·2	985·6	989·5	980·0	991·2	989·1	991·6	976·2	998·6	993·7	000·7	995·5	959·7	955·6
21	979·8	967·1	966·1	955·1	998·2	990·1	994·8	985·8	991·6	982·2	992·2	988·8	982·4	979·0	989·9	984·3	995·3	989·4	996·4	993·6	001·8	999·2	964·9	949·5
22	992·3	979·7	967·5	957·3	997·9	992·9	985·8	980·8	986·3	980·3	988·8	976·7	983·4	981·4	984·3	971·6	995·2	993·3	995·5	992·0	000·2	998·1	950·5	945·1
23	996·6	992·3	980·5	964·0	992·9	983·2	981·7	967·3	985·9	981·0	980·7	974·9	983·6	980·4	982·5	970·3	994·8	988·7	993·1	991·1	001·1	997·7	968·5	945·1
24	996·5	982·0	981·6	979·4	983·2	959·1	971·1	964·7	990·3	984·4	980·8	970·7	989·3	983·6	982·9	971·5	988·7	983·0	996·3	992·9	012·4	001·1	979·5	968·5
25	982·0	973·3	982·1	968·5	959·8	955·5	974·3	966·6	991·9	990·3	972·0	**967·5**	991·8	989·3	987·4	972·0	983·0	975·1	996·4	994·2	012·4	996·5	975·8	960·9
26	983·7	973·9	973·8	964·8	969·8	959·8	968·5	964·4	996·3	988·9	972·1	970·5	991·1	982·1	988·8	979·7	975·1	970·2	994·2	987·8	999·8	991·1	971·7	965·7
27	983·3	968·6	972·5	966·8	979·1	969·4	972·9	968·5	**001·4**	996·3	973·9	970·8	991·8	986·1	980·7	976·9	979·2	972·6	993·3	986·3	000·5	995·6	969·8	960·7
28	968·6	966·1	969·8	963·0	993·4	979·1	979·7	972·4	001·1	998·1	975·6	971·0	992·9	990·4	982·3	980·4	982·6	977·2	997·0	993·3	995·6	986·1	964·6	956·5
29	967·7	964·7	—	—	993·3	986·9	982·9	979·7	001·1	000·0	983·9	975·6	990·4	978·7	981·1	972·2	993·9	982·6	995·1	982·4	994·3	984·9	956·5	940·7
30	965·8	962·7	—	—	986·9	974·2	984·0	982·4	000·8	995·6	983·9	982·3	983·1	979·3	972·2	**967·7**	993·7	986·5	982·7	980·0	994·0	981·1	951·4	**936·8**
31	969·2	962·2	—	—	980·5	974·1	—	—	995·6	990·9	—	—	981·1	975·3	975·4	969·0	—	—	984·4	**975·1**	—	—	972·0	951·4
Mean	983·02	973·55	982·54	973·19	986·65	978·42	982·65	974·59	990·85	985·45	987·75	982·74	985·32	978·11	986·47	980·23	990·18	982·07	994·03	989·27	994·88	986·14	980·70	971·49

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

112. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulb above ground) = 0·9 metre. **January, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	78·4	78·9	80·0	80·7	81·3	81·7	82·6	83·9	84·0	84·2	84·1	84·5	84·4	84·3	84·1	84·2	84·0	83·8	83·7	83·7	83·8	83·9	84·0	83·7	**82·9**
2	84·0	84·1	83·8	82·9	83·0	82·0	81·4	80·0	78·3	77·7	77·2	77·4	77·1	75·5	76·4	75·3	75·0	74·6	73·7	73·9	73·6	73·9	74·0	73·4	78·1
3	73·2	73·2	73·0	72·6	72·7	72·7	72·9	72·9	73·0	73·6	74·3	74·9	75·0	74·6	73·5	73·6	72·8	72·1	72·5	72·0	72·5	72·2	71·9	72·5	73·1
4	72·3	72·3	71·9	71·9	72·4	71·9	72·0	71·6	72·0	72·5	73·3	71·9	72·4	72·7	72·0	71·6	71·4	71·1	71·1	71·4	71·4	71·5	71·9	72·0	71·9
5	72·0	72·0	72·0	72·2	72·0	72·0	71·9	72·4	72·5	73·2	73·9	74·0	74·2	74·3	74·3	74·2	74·6	74·6	74·9	74·9	74·7	75·0	74·8	74·6	73·5
6	74·6	74·7	74·4	74·3	74·0	74·4	74·6	74·9	75·2	75·2	75·7	76·0	76·5	76·6	76·5	76·5	76·2	76·0	76·0	75·9	76·0	75·9	76·7	76·1	75·5
7	77·0	76·6	76·4	77·5	77·1	77·8	77·8	77·5	77·1	77·7	78·2	79·2	79·0	79·0	78·0	75·4	75·1	75·7	75·4	74·7	75·0	75·7	76·6	76·6	76·9
8	76·9	78·3	78·3	79·2	79·8	80·3	80·4	79·5	79·0	79·0	79·0	79·5	79·6	78·4	78·0	77·8	77·0	77·3	77·2	76·6	76·6	76·9	76·1	76·5	78·2
9	75·8	76·9	76·9	78·0	78·2	77·8	78·9	79·9	83·0	82·8	83·3	83·2	83·4	81·7	80·5	79·4	79·4	79·6	79·5	78·4	78·4	78·0	76·7	76·9	79·4
10	76·7	75·8	76·4	75·6	75·8	76·0	76·1	76·2	75·7	76·3	75·7	77·6	76·0	77·4	76·7	77·0	76·8	76·9	76·8	76·9	76·8	77·0	76·8	76·4	76·5
11	76·5	76·8	76·6	76·0	76·0	75·7	75·8	75·7	76·5	76·4	75·4	74·9	75·4	75·5	74·2	73·7	73·6	73·5	73·1	72·9	73·4	73·9	74·0	73·8	75·0
12	73·6	74·0	74·0	73·7	72·6	72·9	71·6	72·0	72·8	73·9	75·6	76·5	76·6	76·3	74·9	71·9	70·4	69·1	68·6	67·6	66·7	66·4	66·6	66·9	72·0
13	67·7	68·1	68·7	69·0	69·4	69·5	70·1	70·0	68·9	70·0	71·2	72·0	72·6	72·7	72·8	72·8	72·8	72·5	72·4	72·6	72·7	72·8	72·8	72·9	71·0
14	73·0	73·0	73·0	73·0	73·0	73·1	72·8	73·1	72·7	72·7	73·3	73·6	73·2	72·9	72·6	71·6	70·3	70·0	69·9	68·9	68·0	68·1	68·0	69·9	71·7
15	70·5	70·8	70·9	71·3	71·2	71·2	71·2	71·1	71·0	70·7	70·4	70·4	70·6	71·0	71·4	71·5	71·6	71·7	71·5	71·4	71·5	71·5	71·7	71·9	71·1
16	71·8	71·8	72·0	71·9	71·8	71·4	70·5	71·6	71·5	70·9	71·5	72·2	72·6	72·6	72·1	72·0	72·0	72·4	72·3	72·4	72·0	71·7	71·4	72·1	71·9
17	71·3	70·9	71·6	71·7	70·6	69·4	69·7	69·8	67·8	69·7	69·1	69·0	69·6	68·8	67·6	66·4	65·6	63·8	63·2	61·2	60·8	61·4	60·5	60·4	**67·3**
18	62·4	64·4	65·3	65·7	67·8	69·6	71·2	72·6	71·7	72·0	72·1	72·4	73·4	74·7	74·6	75·3	75·3	75·1	74·5	73·7	72·6	72·5	72·4	72·4	71·2
19	72·5	72·8	73·4	74·0	74·3	74·5	74·3	74·4	74·5	74·4	74·2	74·3	74·6	74·6	74·9	74·6	73·5	73·0	72·7	72·7	71·4	71·5	72·1	73·2	73·6
20	73·3	73·9	74·1	73·4	72·2	71·9	72·9	72·7	72·4	72·6	73·4	73·9	74·4	74·8	74·5	73·9	73·0	71·0	70·2	70·8	72·1	74·0	74·9	74·6	73·1
21	74·4	74·0	74·1	74·9	75·0	75·1	74·9	75·3	75·5	75·7	75·9	76·1	76·1	76·5	76·5	77·1	77·0	76·3	76·3	76·0	76·3	76·3	75·7	75·8	75·7
22	76·0	76·4	76·4	75·7	75·9	75·6	75·5	75·5	75·7	76·2	76·7	77·1	78·0	78·0	78·3	77·1	76·4	76·3	76·3	74·9	74·5	74·7	74·9	74·6	76·1
23	75·0	74·4	74·1	75·7	75·9	75·1	74·4	75·1	75·1	75·9	76·0	75·8	75·7	75·6	75·2	74·6	74·2	74·4	74·4	74·3	74·0	73·8	73·3	73·2	74·8
24	73·1	72·8	72·8	72·5	72·4	72·4	72·0	71·6	71·4	71·5	71·4	71·9	70·8	70·9	70·0	69·6	69·2	68·8	68·8	69·0	69·0	68·7	69·1	68·9	70·9
25	68·8	68·9	70·0	69·4	69·4	69·9	70·3	70·4	70·4	72·2	73·7	74·5	74·6	75·1	75·0	75·2	75·6	75·9	75·7	75·1	75·3	75·0	74·9	75·0	72·8
26	75·2	75·2	75·1	75·4	75·6	75·9	75·7	75·7	75·6	75·6	75·4	75·3	75·4	75·0	75·0	75·1	75·1	74·8	74·4	74·1	73·3	72·9	72·7	72·9	74·9
27	73·2	73·0	73·0	72·7	72·8	72·5	72·3	72·2	72·4	72·7	72·6	72·6	72·7	72·9	73·0	72·9	73·3	73·4	73·7	73·8	74·0	73·8	74·2	74·5	73·1
28	75·0	74·9	75·1	75·1	75·0	75·2	75·5	75·4	75·3	75·2	75·1	75·4	75·9	75·9	75·5	75·6	75·6	75·7	76·0	76·3	76·3	77·0	76·9	77·3	75·6
29	77·0	77·0	76·6	76·6	76·6	76·5	76·5	76·6	76·9	76·9	76·7	77·0	77·4	77·6	78·4	78·4	77·1	77·0	77·0	75·6	76·0	75·7	75·4	75·6	76·8
30	75·5	74·8	75·0	75·4	75·6	74·9	74·9	74·8	74·6	75·1	75·9	76·4	77·2	77·3	77·0	76·8	76·7	76·8	76·9	75·9	75·6	76·0	76·2	76·5	75·9
31	77·0	77·0	77·0	76·9	77·3	77·4	77·2	77·0	77·0	77·5	77·6	78·2	78·3	78·6	78·6	77·5	76·3	74·6	74·1	74·4	73·5	73·9	73·0	72·0	76·4
Mean ...	74·0	74·1	74·3	74·3	74·4	74·4	74·5	74·6	74·5	74·8	75·1	75·4	**75·6**	75·5	75·2	74·8	74·4	74·1	74·0	73·6	**73·5**	73·6	73·5	73·7	74·4

113. Eskdalemuir : Louvred Hut : h_t = 0·9 metre. **February, 1922.**

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	72·0	72·4	73·0	73·2	73·7	76·0	76·2	75·6	75·3	76·7	77·1	78·2	78·0	78·7	78·0	77·6	76·0	75·5	74·7	72·9	73·5	73·8	73·7	73·7	75·2
2	74·0	74·0	73·9	74·2	75·3	75·3	74·8	75·5	75·5	75·7	75·9	76·3	76·4	77·2	77·6	77·9	78·2	78·2	78·4	78·3	78·0	77·7	77·6	77·4	76·3
3	77·3	77·6	77·6	77·6	77·7	77·9	77·9	78·2	77·8	77·8	77·4	77·2	77·0	76·5	76·2	75·6	75·1	74·7	74·3	74·0	73·7	73·5	73·6	73·3	76·3
4	73·4	73·2	73·3	73·0	73·0	72·9	72·7	72·4	72·2	72·3	72·2	72·1	72·0	72·0	72·0	71·2	71·3	71·2	71·1	71·0	70·7	70·7	70·0	68·4	71·9
5	67·4	68·0	67·7	67·9	67·6	67·7	68·4	68·7	69·0	70·1	70·3	70·7	70·8	71·0	71·0	71·0	71·0	70·9	71·0	71·0	71·1	71·0	71·1	71·1	**69·8**
6	71·5	71·3	71·0	70·0	68·3	66·9	66·6	67·3	67·9	69·0	69·6	70·2	70·4	70·7	70·9	70·9	70·7	70·6	70·2	70·4	70·8	71·0	71·6	71·9	70·0
7	73·3	73·4	73·1	72·9	72·5	71·8	71·7	71·5	71·3	71·3	71·7	72·1	72·8	73·3	73·6	73·2	73·3	73·6	73·9	74·4	74·7	74·6	74·7	74·5	73·0
8	74·8	74·9	75·0	74·9	74·8	74·7	74·5	74·1	73·8	73·3	73·5	73·6	73·6	73·4	73·5	73·3	73·4	73·4	73·6	73·7	73·6	73·7	73·8	73·9	73·7	74·0
9	73·7	74·0	73·6	73·8	74·0	74·3	73·5	73·5	74·1	74·6	75·1	75·9	76·1	76·1	75·8	76·3	75·3	74·1	73·4	73·3	72·8	72·6	73·5	73·2	74·3
10	73·0	73·9	74·0	73·4	71·0	71·0	71·2	71·3	72·2	73·6	77·0	77·0	76·9	76·8	78·5	76·8	74·6	73·3	72·1	71·0	70·2	70·0	69·6	69·5	73·3
11	68·5	68·0	67·8	67·9	66·6	66·3	66·8	66·8	67·1	68·9	72·0	75·2	77·0	78·6	78·2	77·3	75·7	74·3	73·4	73·8	72·9	72·0	71·3	71·3	71·5
12	70·7	72·5	71·0	69·8	70·9	70·0	69·0	70·5	73·0	73·6	75·1	75·0	76·5	75·9	76·2	75·4	74·9	72·6	72·7	72·4	72·4	72·1	71·0	71·0	72·7
13	70·3	71·0	72·3	72·0	71·7	71·4	70·7	70·0	70·0	71·5	72·0	72·4	72·7	74·7	74·2	74·0	73·7	72·6	72·5	71·6	71·0	70·2	70·0	71·8	71·8
14	71·0	70·3	70·8	71·5	72·0	72·1	72·4	73·2	74·3	74·0	75·1	75·9	76·0	76·6	76·0	75·9	75·6	75·3	74·9	74·0	74·3	74·1	74·0	74·0	73·8
15	74·1	74·8	74·8	74·8	74·8	75·4	75·1	75·3	75·7	76·1	76·5	78·5	79·4	78·9	78·5	77·4	77·4	76·4	76·0	75·0	74·6	74·0	74·0	73·7	75·9
16	74·1	74·5	74·4	74·4	74·9	74·9	75·3	75·4	76·0	76·5	77·3	78·0	78·6	78·7	79·5	78·7	76·9	76·9	75·3	74·7	73·7	73·0	71·9	71·3	75·7
17	70·6	70·7	71·0	71·6	72·9	72·9	73·1	74·1	74·7	74·4	74·2	73·6	73·6	74·0	74·2	74·3	74·0	74·0	74·7	74·7	74·9	74·8	74·7	74·0	73·5
18	74·0	73·7	73·4	73·1	73·8	74·0	74·1	74·4	74·4	74·6	75·2	75·9	75·9	77·1	77·3	76·0	75·0	74·7	74·7	73·6	74·0	73·1	72·8	73·0	74·5
19	72·1	72·8	73·0	73·0	73·7	74·3	74·7	74·9	74·9	74·8	75·0	76·6	77·0	78·9	79·4	79·0	78·5	77·9	77·5	76·2	74·6	74·4	74·4	74·3	75·5
20	73·9	73·6	73·1	72·7	72·3	72·7	72·7	72·7	73·2	73·4	74·0	74·6	74·3	75·0	75·0	74·7	73·9	74·6	74·7	74·7	74·8	73·9	75·0	74·8	73·9
21	73·6	74·0	74·2	74·4	74·8	74·3	74·0	74·6	75·6	73·8	74·3	74·8	74·9	74·1	74·3	75·0	74·9	73·6	73·3	73·1	73·5	73·3	73·8	74·2	74·2
22	74·5	74·7	74·6	74·1	74·4	74·3	74·2	74·6	74·6	74·7	76·4	77·7	78·0	78·0	78·2	77·5	77·4	75·9	76·2	76·0	76·4	77·0	77·4	77·3	75·9
23	76·9	76·9	79·0	80·4	80·6	80·3	79·5	79·9	80·1	80·3	80·3	80·5	81·3	81·5	81·9	80·9	80·4	79·6	79·5	79·5	79·3	79·3	79·2	79·3	79·8
24	79·5	79·9	80·0	80·2	80·0	80·2	80·6	81·0	81·3	81·3	81·4	81·6	81·6	81·7	81·7	81·4	81·3	81·1	81·0	80·9	80·6	80·6	80·6	80·3	**80·8**
25	80·1	80·3	80·2	80·2	80·3	80·5	80·3	80·6	80·7	81·0	81·1	81·3	81·1	81·5	81·9	81·6	81·7	81·9	81·0	80·3	78·2	77·3	76·6	76·7	80·3
26	76·9	77·2	77·8	77·9	78·2	78·5	78·5	78·2	78·3	78·9	79·9	80·5	81·0	81·4	80·5	79·7	79·6	77·9	77·3	77·0	76·1	76·0	75·6	75·0	78·3
27	74·0	74·9	75·1	75·0	74·2	74·0	73·5	74·2	75·0	75·8	77·7	78·6	77·8	77·7	77·5	74·6	77·0	77·3	76·1	74·9	75·0	74·5	74·8	74·9	75·6
28	75·0	75·3	75·2	74·2	74·6	75·2	75·5	75·3	75·7	76·4	77·0	77·5	78·3	78·2	79·3	78·8	78·2	78·1	78·0	77·9	78·0	77·9	77·5	77·3	76·8
Mean ...	**73·6**	73·9	73·9	73·9	73·9	73·9	73·8	74·1	74·4	74·8	75·5	76·1	76·4	76·7	**76·8**	76·3	75·9	75·4	75·1	74·7	74·4	74·1	74·1	74·0	74·8
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

Note.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is printed 75·0.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

114. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulb above ground) = 0·9 metre. **March, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	77·0	77·5	76·9	76·6	76·1	76·0	76·4	76·0	76·5	77·3	78·0	79·4	78·9	79·5	80·2	78·9	77·6	76·5	74·5	76·0	75·8	74·4	75·1	75·7	77·0
2	76·6	76·9	76·5	76·5	76·5	76·5	76·3	76·2	76·7	77·4	79·0	79·2	79·9	80·4	79·6	79·5	79·0	77·3	75·4	74·4	75·5	75·7	75·9	75·6	77·2
3	75·9	76·0	76·5	76·9	77·0	79·0	79·3	79·8	80·4	81·4	82·0	82·6	83·3	82·4	82·1	82·0	81·3	79·7	78·2	77·8	77·4	78·0	79·3	78·9	**79·4**
4	78·0	78·4	78·6	78·6	78·5	78·6	78·5	78·0	78·2	78·4	78·5	79·7	79·3	80·7	80·6	80·2	78·9	77·2	76·4	74·9	74·7	74·3	73·9	74·6	77·9
5	76·7	77·6	77·2	77·4	77·4	77·4	77·5	79·4	79·8	80·2	80·3	80·6	80·9	80·5	80·4	79·9	79·6	79·8	79·4	79·2	78·6	78·1	77·8	77·7	78·8
6	77·4	77·0	77·5	77·0	76·9	76·6	75·8	76·6	77·6	79·1	78·9	79·2	79·4	79·5	79·4	79·2	76·8	78·7	78·7	78·7	78·8	78·4	77·2	76·0	78·0
7	75·8	76·2	76·3	76·6	76·0	75·6	76·0	75·5	75·5	75·7	76·7	77·0	77·7	77·0	76·7	76·4	76·6	77·2	77·5	77·2	77·0	77·3	76·8	76·7	76·5
8	76·4	76·3	76·0	75·0	73·8	72·3	73·2	73·0	72·9	74·4	77·9	77·5	77·3	77·8	77·8	78·3	77·6	76·0	76·0	75·9	75·5	75·7	74·9	74·7	75·7
9	74·6	73·7	74·7	74·8	74·6	74·6	74·7	74·9	75·8	76·5	76·4	76·4	76·9	78·1	77·2	74·9	74·7	74·2	74·3	74·0	73·9	73·9	73·8	74·0	75·1
10	72·7	72·4	72·6	73·2	73·3	73·8	73·8	74·3	75·0	75·5	75·8	76·4	78·0	79·0	79·0	78·7	76·3	75·4	75·9	72·9	74·0	74·0	75·5	74·6	75·1
11	74·0	76·0	76·1	77·0	77·0	78·0	78·0	78·5	79·2	80·1	81·5	81·4	82·9	82·8	82·9	82·0	80·7	79·7	79·3	79·8	79·5	78·3	76·8	77·8	79·1
12	76·1	76·1	76·4	76·0	76·5	76·4	77·3	77·6	80·9	83·0	84·4	83·9	83·5	83·2	83·1	82·4	80·2	78·2	77·7	77·4	77·1	76·9	76·6	76·3	79·1
13	76·4	76·4	76·1	75·9	75·8	75·7	75·7	75·7	75·8	76·6	78·1	79·0	81·0	82·0	82·7	82·6	81·6	78·7	76·5	75·5	75·5	75·3	74·9	74·6	77·5
14	75·0	74·6	74·7	73·7	73·2	72·6	73·2	74·9	79·5	82·3	84·4	84·5	84·8	84·3	84·3	84·0	83·0	81·6	79·6	77·0	76·6	75·9	76·0	75·0	78·5
15	72·8	73·0	73·4	74·0	73·0	72·2	72·0	73·7	73·5	75·0	77·6	77·2	77·7	79·1	80·2	81·0	80·4	78·8	77·7	77·0	76·7	76·1	75·6	74·1	75·9
16	73·0	72·0	71·2	70·8	70·6	71·6	72·8	76·0	79·8	82·2	82·9	82·1	83·8	83·7	82·4	80·2	79·0	78·1	76·9	76·5	76·0	76·0	75·6	75·6	77·0
17	75·4	75·5	75·4	75·0	75·0	74·6	74·0	74·8	76·5	76·0	77·1	78·0	78·6	78·4	79·1	78·4	77·6	76·7	76·0	75·6	75·2	75·0	74·5	73·8	76·1
18	73·3	73·3	72·7	72·3	72·4	72·0	72·0	72·8	73·5	75·3	77·0	79·7	81·7	82·8	83·0	82·7	81·1	79·0	76·6	75·1	74·2	74·4	74·6	74·3	76·1
19	74·0	73·8	73·8	73·8	73·7	73·7	73·6	73·8	74·1	74·5	74·9	75·6	76·3	76·0	76·2	75·1	74·7	74·7	74·6	74·3	74·5	75·0	75·3	74·4	74·6
20	73·5	72·4	71·0	72·0	72·4	72·2	72·3	72·8	74·5	75·6	75·0	75·6	77·8	77·2	76·8	74·3	72·5	71·4	72·5	72·3	71·9	71·9	71·8	71·8	73·5
21	71·9	72·1	71·9	71·9	71·4	71·5	71·2	72·7	73·5	75·0	76·2	76·3	76·7	76·6	76·8	75·3	73·1	73·2	72·5	72·6	72·2	72·6	72·3	71·7	73·4
22	72·7	72·5	72·5	72·6	71·0	73·1	73·2	74·0	74·4	75·5	76·1	75·8	74·9	73·2	74·8	75·5	74·6	73·7	73·6	73·5	72·6	72·1	71·9	70·6	73·5
23	70·3	69·7	69·0	71·0	71·5	71·8	72·1	73·3	74·3	75·6	76·3	77·9	77·4	77·6	77·8	77·5	77·8	75·1	74·5	72·3	71·5	70·5	70·7	69·4	73·6
24	69·3	69·2	69·2	69·7	70·7	71·5	71·9	72·9	72·6	73·0	73·4	73·6	73·9	73·6	74·3	74·4	74·4	73·4	73·5	73·6	73·7	73·8	73·6	73·6	72·5
25	73·7	73·7	73·9	73·9	73·4	73·0	72·5	73·5	75·4	76·4	77·2	78·3	77·6	77·5	77·5	75·9	75·7	76·2	74·9	73·6	72·0	73·2	74·5	74·4	74·9
26	73·7	73·8	74·2	73·7	73·9	73·9	74·3	74·7	74·9	74·6	77·1	77·7	77·5	78·1	77·8	77·6	78·6	77·4	74·4	74·3	75·5	75·2	75·0	75·0	75·5
27	75·0	75·1	74·8	74·5	73·9	74·3	74·0	75·2	77·0	77·4	77·2	77·9	78·4	78·2	80·0	79·1	78·4	76·5	76·0	73·8	73·5	73·4	73·0	73·0	75·9
28	73·5	73·0	73·0	73·1	73·3	72·6	73·0	73·7	74·1	76·1	77·3	77·9	77·0	76·2	76·8	77·3	76·5	75·2	73·9	72·3	73·6	73·3	71·3	70·9	74·4
29	70·9	69·8	68·4	68·1	67·8	69·1	69·9	72·7	73·8	75·0	75·6	75·9	76·6	77·3	77·1	76·1	75·5	75·3	74·9	74·8	74·8	74·7	74·3	74·0	73·4
30	74·5	74·7	74·9	74·1	74·3	73·9	74·1	75·9	76·3	76·5	76·5	76·7	77·2	78·5	77·3	77·6	77·5	75·0	73·9	73·5	73·0	72·7	72·6	72·0	75·2
31	72·1	71·8	70·6	69·0	70·4	70·6	70·0	71·3	73·0	74·6	75·5	74·4	74·0	73·7	73·3	73·2	72·9	72·0	70·9	69·5	68·9	69·3	70·7	68·4	**71·7**
Mean ...	74·3	74·2	74·1	74·0	**73·9**	74·0	74·1	75·0	76·0	77·0	77·9	78·3	78·7	78·9	**78·9**	78·4	77·5	76·5	75·7	75·0	74·8	74·7	74·6	74·2	75·9

115. Eskdalemuir : Louvred Hut : $h_t = 0·9$ metre. **April, 1922.**

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	68·3	69·0	70·2	69·4	68·0	67·6	70·2	72·9	74·1	74·2	74·1	76·0	76·5	77·3	76·6	76·4	76·0	75·5	74·7	73·7	72·6	72·8	73·8	74·2	73·0
2	74·1	72·3	72·0	70·6	70·3	70·1	70·3	74·0	77·7	77·4	78·0	78·1	78·2	78·4	78·7	78·0	77·4	76·6	75·7	73·9	73·4	72·8	72·0	71·5	74·7
3	71·3	70·9	70·3	71·3	72·1	72·8	73·0	74·3	74·7	78·1	78·0	76·0	76·0	76·1	75·5	76·2	74·5	74·1	73·3	72·1	71·7	71·8	71·6	72·4	73·7
4	71·9	71·0	70·3	71·5	70·9	71·6	73·1	74·5	75·3	76·5	77·7	77·3	78·0	77·6	79·3	77·4	74·9	74·5	73·5	73·8	73·2	71·7	70·0	69·4	74·0
5	68·3	67·0	66·8	66·3	66·0	66·0	67·1	70·4	75·5	76·5	78·5	79·1	78·8	80·4	78·6	79·0	76·6	75·7	73·3	72·1	70·1	70·0	69·9	68·6	**72·5**
6	68·1	67·8	66·8	66·0	66·2	67·0	68·9	72·2	76·8	78·0	78·9	78·7	78·9	75·7	76·7	75·8	75·8	75·5	74·4	72·6	72·1	71·4	70·0	70·0	72·7
7	70·3	70·1	71·0	71·1	70·8	70·9	72·0	73·5	77·1	77·3	78·6	79·5	79·7	81·4	81·3	81·5	80·9	79·3	75·2	73·8	72·6	72·2	71·9	70·7	75·1
8	71·9	72·0	71·2	71·3	73·0	72·9	73·4	73·9	75·4	77·2	78·5	78·7	75·2	75·4	76·4	75·2	75·7	76·0	73·9	72·4	71·1	71·1	71·7	73·3	74·0
9	73·0	72·2	72·5	69·9	69·3	69·1	71·6	74·0	75·6	75·7	76·3	77·5	77·7	78·3	78·8	78·0	77·2	77·1	75·3	74·0	73·4	72·6	72·6	73·1	74·4
10	73·9	74·0	74·0	73·8	73·9	74·0	74·4	75·9	76·6	76·5	78·7	79·2	78·6	79·7	79·8	79·7	78·8	77·2	75·5	71·3	70·8	70·8	69·5	70·6	75·4
11	70·7	71·2	72·2	73·0	73·1	73·3	74·3	75·1	76·7	78·5	79·5	81·0	80·9	80·9	81·5	81·0	81·3	79·1	75·3	73·0	71·2	71·6	70·5	70·2	75·6
12	70·3	70·0	71·0	71·8	73·2	75·0	75·2	76·3	77·2	78·4	79·6	79·0	79·6	80·2	80·7	80·3	79·8	77·6	76·6	75·0	75·1	74·8	74·9	75·0	76·0
13	75·7	76·0	75·8	75·7	75·8	75·4	76·6	77·5	78·0	78·9	79·3	80·2	79·0	79·6	81·7	78·6	77·8	78·0	76·0	75·7	75·2	75·6	75·5	75·6	77·2
14	75·7	75·2	75·3	75·2	74·7	74·7	74·9	75·0	75·6	75·4	74·9	74·1	73·8	74·8	74·8	75·9	76·8	76·7	78·4	78·5	78·9	78·9	80·0	81·0	76·1
15	82·1	81·7	80·7	80·8	80·7	80·5	80·0	79·9	79·4	79·5	79·7	79·9	80·3	81·3	82·0	82·3	81·3	80·7	79·1	78·2	77·8	77·9	78·0	77·9	**80·1**
16	78·0	77·0	76·5	76·4	76·0	76·0	77·0	77·4	77·5	77·9	78·9	78·3	79·7	80·0	79·8	79·0	77·2	77·4	76·1	75·6	74·5	74·0	73·2	72·7	77·0
17	71·9	71·3	72·2	72·5	71·7	73·0	74·7	75·9	76·9	78·0	78·0	78·1	80·0	78·4	78·7	78·4	78·5	77·9	76·7	76·2	75·6	75·1	74·9	74·0	75·7
18	73·6	72·6	71·3	70·9	71·0	71·0	73·3	76·9	77·3	78·6	78·9	80·7	80·5	81·4	80·7	80·4	79·7	77·9	75·8	73·4	71·9	70·4	69·7	69·2	75·4
19	68·6	68·3	66·8	67·7	67·5	68·8	72·0	76·4	77·7	79·7	81·2	82·8	83·5	83·7	84·3	84·7	84·4	83·0	79·0	76·6	74·2	72·8	71·7	71·0	76·1
20	69·9	69·6	68·8	68·5	68·1	68·6	69·9	75·2	80·3	83·8	85·4	86·1	87·1	87·8	87·8	87·6	86·0	85·7	83·2	80·9	77·8	75·4	74·8	74·0	78·4
21	72·7	72·2	71·5	70·9	71·4	71·7	73·7	76·2	77·7	78·4	80·9	83·2	84·3	83·9	84·4	84·9	84·7	82·3	80·9	80·2	79·9	79·7	79·2	78·3	78·4
22	78·3	78·0	78·1	78·0	77·5	77·7	78·1	79·2	80·1	81·0	81·7	82·4	82·0	81·9	81·5	79·9	79·4	80·1	79·0	78·3	77·3	76·4	75·6	72·6	79·0
23	72·3	70·4	70·8	70·2	70·1	71·0	72·9	76·0	79·8	80·7	78·8	80·4	81·8	82·7	80·6	78·9	78·2	78·5	78·6	78·0	76·5	76·3	75·9	75·9	76·4
24	75·1	75·2	75·4	75·2	75·7	75·3	76·0	77·3	77·8	78·1	78·9	78·9	81·3	80·4	80·2	79·9	79·0	78·2	77·8	77·4	77·2	76·8	76·8	76·0	77·5
25	76·4	76·1	76·4	76·0	75·6	75·8	76·3	77·0	79·4	80·8	81·7	82·7	83·1	82·6	81·1	80·0	78·2	77·9	77·7	76·6	75·8	75·2	75·1	73·8	78·0
26	74·0	73·8	72·5	73·0	73·0	73·4	75·8	78·0	77·5	78·7	78·2	79·0	78·3	79·9	79·4	77·6	79·1	77·1	76·0	76·0	75·0	75·6	75·2	75·8	76·3
27	75·3	75·2	75·8	75·5	75·4	75·0	76·2	77·1	78·1	79·9	80·0	79·7	79·7	81·1	81·3	77·4	78·9	79·0	77·2	76·3	75·4	74·9	74·9	75·0	77·3
28	74·1	74·4	74·6	74·2	75·3	75·7	75·3	77·2	79·5	79·8	79·9	80·8	79·7	78·9	80·5	80·6	79·4	79·1	78·2	75·4	72·8	71·4	70·4	69·7	76·7
29	69·0	68·1	67·7	67·2	66·3	68·1	72·0	75·7	78·3	79·7	80·0	80·2	79·8	79·4	79·0	78·9	79·2	79·5	78·2	77·0	76·0	73·4	72·0	71·8	74·8
30	71·3	70·5	70·3	71·2	71·9	72·8	74·9	78·0	79·5	79·7	82·6	81·5	82·1	83·7	84·2	80·2	80·2	79·8	77·5	77·4	75·5	75·8	76·0	75·9	77·1
Mean ...	72·9	72·4	**72·3**	72·2	72·1	72·5	73·8	75·8	77·4	78·4	79·2	79·6	79·8	80·1	**80·2**	79·5	78·9	78·2	76·7	75·5	74·5	74·0	73·6	73·3	75·9
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is printed 75·0.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

116. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulb above ground) = 0·9 metre. **May, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	
1	75·9	75·9	75·5	75·2	74·9	75·3	76·0	76·4	76·8	77·1	78·2	78·0	77·8	76·4	76·0	76·5	77·4	78·3	77·1	75·0	73·7	73·5	72·9	71·8	**76·0**
2	71·2	70·7	70·0	69·7	69·4	71·8	74·2	78·9	79·2	80·9	81·0	83·0	82·9	80·3	81·9	80·9	83·1	80·8	79·3	77·3	75·0	74·0	74·0	74·2	76·8
3	74·0	72·5	73·1	71·2	71·7	72·6	73·0	75·4	78·9	79·2	78·9	79·0	79·8	79·9	80·2	80·6	81·3	81·8	80·8	79·8	79·3	78·9	77·3	78·0	77·3
4	77·8	78·0	77·9	78·3	78·9	79·3	79·9	79·8	81·1	80·6	79·0	77·0	81·2	80·6	80·8	80·2	77·7	79·1	78·7	78·8	78·6	78·7	78·8	78·1	79·1
5	78·1	78·0	77·8	77·5	77·6	77·7	77·9	78·2	78·8	80·4	82·9	83·1	80·3	83·2	82·8	79·9	80·3	82·0	80·4	79·3	78·6	76·7	76·3	75·8	79·4
6	75·4	75·5	76·6	77·8	78·6	79·7	79·9	80·2	80·9	81·1	81·0	81·0	81·1	81·2	81·1	80·9	80·8	80·9	81·1	81·0	81·0	81·1	81·0	80·8	79·9
7	80·7	80·7	80·9	81·0	81·0	81·0	81·3	80·9	81·0	81·1	81·3	81·3	82·1	83·8	84·2	85·0	85·0	84·3	82·7	80·6	79·5	77·0	77·7	76·8	81·4
8	77·0	77·8	78·0	78·2	78·0	79·0	81·0	82·4	84·2	86·8	88·1	88·5	88·4	88·2	85·7	85·0	85·4	84·8	83·5	82·3	80·2	79·0	79·3	78·2	82·4
9	78·5	78·0	77·2	76·2	75·1	77·0	81·1	82·3	83·0	84·0	84·5	86·7	85·0	86·0	86·1	86·4	86·9	84·2	82·1	79·1	78·4	77·4	75·6	74·9	81·2
10	74·7	75·7	76·1	74·8	74·7	76·2	77·7	79·9	82·4	82·1	81·9	81·9	82·6	82·9	82·9	82·3	81·8	81·0	80·6	79·7	77·3	77·1	76·9	76·7	79·1
11	76·8	76·5	76·3	76·4	76·4	76·8	79·0	78·6	81·6	81·2	82·8	82·9	82·3	82·4	82·5	81·8	81·1	80·5	80·0	78·5	77·6	76·7	76·0	75·2	79·2
12	75·0	74·9	74·5	74·8	75·1	75·7	76·6	78·0	77·7	78·8	79·5	80·3	79·7	79·0	78·9	80·0	79·7	79·0	78·6	76·6	74·5	72·0	71·7	70·6	76·8
13	69·9	69·2	68·7	68·8	68·7	72·1	77·2	80·8	82·5	81·4	81·2	82·5	83·3	84·6	84·8	83·9	83·0	81·6	80·8	80·0	79·7	79·0	78·9	78·9	78·2
14	78·9	78·3	78·7	78·8	78·5	79·1	80·5	80·7	80·9	81·0	81·6	81·8	81·9	81·9	82·2	82·8	82·0	82·2	81·3	81·9	81·8	81·7	81·7	81·6	80·9
15	81·4	81·3	81·6	81·6	81·5	81·4	81·8	82·0	82·3	83·2	84·0	83·3	82·1	82·5	82·2	82·1	81·2	81·2	81·1	80·6	80·9	80·9	80·8	80·6	81·8
16	80·3	80·4	80·6	80·7	81·0	81·1	81·4	81·7	81·8	81·9	81·7	81·6	81·9	82·0	81·9	81·5	81·5	81·4	81·2	81·2	81·5	81·5	81·5	81·3	81·3
17	81·4	81·5	81·5	81·5	81·6	81·8	82·1	82·6	83·8	82·8	82·4	82·3	83·7	84·8	83·2	82·5	82·4	82·6	81·9	81·9	81·6	81·2	81·2	81·2	82·2
18	81·1	81·2	80·9	81·0	80·9	81·0	81·7	82·0	83·6	83·0	83·0	83·7	82·8	83·8	83·3	83·9	83·3	82·9	82·4	81·7	81·0	80·1	80·2	79·6	82·0
19	79·1	78·9	78·2	78·2	78·7	80·0	80·1	80·9	81·3	81·2	81·8	82·8	83·5	85·0	84·9	85·2	85·0	84·1	82·3	81·0	79·1	77·1	77·0	76·8	81·0
20	75·9	76·0	75·9	74·5	75·7	78·1	80·9	82·1	82·3	83·0	82·8	83·2	83·8	83·9	83·6	83·4	83·1	82·9	82·5	82·2	82·5	82·6	82·7	83·3	81·0
21	83·1	83·2	83·1	83·0	83·1	83·1	83·1	83·8	84·5	84·9	85·3	86·1	85·8	86·0	86·9	87·0	86·9	86·9	86·8	86·8	86·7	86·9	86·7	87·1	85·2
22	87·2	87·2	85·9	84·0	83·0	82·8	82·7	82·3	83·0	85·8	86·0	86·1	86·3	87·0	86·8	86·4	86·3	85·1	84·4	84·1	81·1	80·0	81·0	80·7	84·5
23	80·0	79·3	79·1	79·2	79·8	82·0	83·6	82·9	83·1	84·2	84·8	84·8	85·7	86·5	88·7	88·8	87·6	87·1	85·0	83·8	83·1	83·0	83·0	82·9	83·6
24	82·0	79·9	78·5	77·5	76·7	75·9	79·2	82·2	83·2	84·2	85·7	86·1	86·4	87·8	87·4	87·6	87·7	86·8	84·7	83·2	82·5	82·4	82·0	80·8	83·0
25	80·0	78·8	78·2	77·9	77·5	80·5	84·0	86·0	87·0	88·2	89·5	90·0	90·9	90·8	90·5	90·8	90·0	88·8	88·0	85·3	83·9	82·7	82·6	83·6	85·2
26	83·0	82·6	82·3	82·4	82·5	82·5	83·0	83·7	83·5	86·1	86·9	88·7	88·5	88·1	87·3	87·3	86·5	85·4	84·2	82·3	81·1	80·8	80·7	80·4	84·2
27	80·7	80·0	79·3	78·0	79·2	80·0	80·9	83·0	83·8	84·4	85·2	85·1	86·3	87·2	87·0	87·2	86·9	86·3	85·0	81·0	79·3	80·1	78·1	75·6	82·6
28	75·4	76·4	77·2	78·0	78·2	79·3	81·4	83·2	83·7	84·9	85·3	87·0	87·0	88·1	88·4	88·0	88·1	86·4	85·9	85·0	84·0	82·4	82·5	81·0	83·1
29	81·0	79·0	76·7	76·0	77·1	80·0	83·8	86·8	89·3	90·3	90·7	91·0	91·7	92·0	92·5	93·0	92·0	91·8	90·3	88·2	85·6	84·0	82·9	81·3	86·1
30	80·1	79·4	78·2	77·4	78·2	80·0	82·5	86·8	88·8	89·7	91·2	92·3	93·2	93·1	92·2	92·0	91·0	90·5	89·3	88·9	86·5	85·4	85·2	85·0	86·5
31	84·0	83·6	82·0	82·1	82·8	85·0	89·1	90·1	91·8	92·8	93·8	95·0	95·0	95·9	95·8	95·3	94·9	93·7	92·1	90·1	87·6	86·1	84·9	82·9	**89·5**
Mean ...	78·7	78·4	78·1	**77·8**	77·9	79·0	80·5	81·8	82·8	83·4	83·9	84·4	84·6	**85·0**	84·9	84·8	84·5	84·0	83·0	81·9	80·7	80·0	79·7	79·2	81·6

117. Eskdalemuir : Louvred Hut : h_t = 0·9 metre. **June, 1922.**

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	82·0	81·4	80·3	79·9	81·0	83·9	87·6	90·0	91·8	94·1	95·8	96·7	97·2	97·7	97·1	94·4	93·2	89·9	87·9	87·0	85·0	83·9	83·3	82·9	88·5
2	83·2	83·2	83·0	82·6	83·3	83·8	86·2	87·2	90·7	91·3	91·2	91·2	90·4	90·4	91·9	90·0	86·9	85·7	84·0	82·4	81·0	80·3	79·9	80·0	85·9
3	79·5	79·3	79·2	79·3	80·5	81·7	82·4	83·0	84·8	85·1	85·5	85·5	85·8	87·2	87·3	86·0	85·5	84·7	84·0	82·2	80·4	79·6	77·2	78·4	82·7
4	77·0	76·7	78·0	78·2	78·5	80·2	81·3	81·7	83·1	83·4	84·8	85·2	86·0	86·2	85·3	85·5	84·9	84·7	84·7	84·2	83·7	83·2	82·7	82·0	82·5
5	81·2	81·3	81·6	81·7	82·0	82·2	82·2	83·0	83·9	85·0	84·8	85·2	85·0	84·9	84·9	84·8	84·9	84·8	83·8	83·5	81·5	80·0	79·9	81·9	83·1
6	81·9	81·0	80·5	79·3	81·9	81·9	83·3	84·7	84·6	86·6	87·8	88·2	89·1	90·0	88·9	89·9	89·9	89·5	88·3	86·7	83·3	81·3	80·3	79·2	85·0
7	79·7	80·0	78·4	78·3	80·0	82·3	85·9	88·2	90·9	92·0	92·9	94·0	94·8	95·6	95·4	95·9	96·1	96·0	93·1	89·2	88·1	86·1	85·1	83·1	88·3
8	83·7	83·0	81·9	81·0	81·8	84·3	89·1	91·7	83·3	94·0	94·3	94·8	94·9	94·0	94·3	95·4	95·0	94·9	90·9	91·3	90·7	89·1	88·3	88·3	**89·9**
9	88·0	88·0	88·3	85·9	87·2	89·8	90·5	90·9	91·3	91·2	90·2	89·5	89·5	88·0	87·4	88·0	88·6	87·5	86·4	85·8	84·8	84·8	84·6	84·3	88·0
10	84·3	84·3	84·2	84·0	84·0	84·7	84·8	86·0	87·6	88·0	88·2	88·7	88·4	90·5	90·4	90·0	88·9	86·0	85·9	82·6	80·9	80·4	80·5	79·3	85·6
11	78·4	78·0	77·4	75·2	76·4	79·3	82·8	84·0	85·7	85·9	87·1	88·8	88·0	87·4	86·7	88·0	88·6	87·5	86·4	83·6	81·1	80·0	79·0	78·3	83·1
12	77·1	77·1	77·6	78·4	79·2	81·4	83·0	84·3	86·5	87·5	87·2	88·7	88·7	88·2	89·4	90·0	89·9	88·2	88·1	86·0	85·6	85·5	85·3	85·3	84·8
13	85·5	85·3	85·2	84·6	83·2	82·0	82·0	81·9	81·1	80·6	80·8	80·0	82·1	83·0	83·5	84·1	82·5	83·6	83·1	81·7	76·9	77·3	75·6	75·0	81·9
14	77·0	76·7	76·5	75·9	78·2	81·1	82·3	82·7	82·9	84·3	84·9	84·9	86·0	86·1	85·6	85·2	84·2	83·7	83·1	80·2	79·5	79·0	79·0	78·9	81·5
15	79·0	78·8	78·9	79·0	79·4	79·9	80·3	81·3	82·5	83·4	84·9	86·1	86·8	87·4	87·4	87·5	86·5	86·7	86·0	85·5	84·8	84·0	81·5	81·2	83·2
16	81·2	79·8	78·6	78·5	77·1	79·4	81·1	83·1	84·2	84·8	85·7	85·5	85·5	85·5	85·2	85·9	85·2	85·0	83·6	82·4	80·9	79·8	80·0	80·4	82·5
17	79·3	78·4	78·0	77·8	79·0	79·9	81·6	81·1	81·9	82·9	81·9	84·6	84·0	85·2	84·7	84·7	84·0	82·6	81·3	80·9	80·9	80·7	80·9	80·8	81·5
18	80·5	80·0	79·1	79·0	80·7	82·1	83·8	84·8	84·2	83·7	84·1	83·3	83·1	83·4	83·9	83·9	84·8	85·0	85·0	85·0	84·6	84·6	84·7	84·7	83·2
19	84·8	85·0	84·7	84·8	84·7	84·9	85·0	85·5	85·6	85·7	86·2	86·8	87·4	87·2	87·3	87·1	87·5	86·8	86·1	85·0	85·0	85·0	84·8	84·8	85·8
20	84·8	84·8	85·1	85·0	84·9	84·4	83·9	83·7	85·0	83·9	84·2	84·3	84·4	86·0	86·0	86·2	85·0	84·7	83·0	82·7	81·5	79·8	78·4	76·9	83·9
21	76·1	75·8	75·5	76·0	77·7	79·5	81·1	81·5	82·6	83·0	82·9	82·9	83·8	82·3	84·0	83·2	83·2	83·0	82·8	82·7	82·0	81·2	81·4	81·4	**81·0**
22	82·0	82·5	82·5	82·8	83·0	83·5	83·5	83·6	83·9	83·7	83·7	83·5	83·3	82·6	82·5	81·8	82·4	83·1	82·7	83·1	83·2	83·1	82·8	82·7	83·0
23	82·5	83·0	82·8	82·8	82·8	83·3	84·0	83·9	85·8	85·8	86·1	87·0	87·8	89·2	88·4	87·3	86·4	86·0	85·8	85·0	83·8	83·1	81·2	81·3	84·8
24	82·2	81·0	79·6	81·1	81·3	82·3	82·8	83·2	84·1	83·7	82·8	82·8	83·1	84·0	84·4	84·4	84·2	83·6	83·2	82·5	82·2	81·4	80·7	80·5	82·6
25	79·2	79·8	79·8	80·0	80·3	80·5	80·8	82·2	83·4	83·7	82·5	84·4	84·6	83·0	85·5	85·4	86·0	84·8	83·5	82·3	81·5	81·1	81·3	81·4	82·4
26	81·3	80·7	81·0	80·4	81·0	81·6	82·6	82·8	83·7	83·8	84·3	85·5	85·3	84·9	85·7	84·3	84·5	84·3	83·7	83·0	82·5	81·3	82·2	82·3	83·0
27	81·0	80·8	80·6	80·7	80·5	81·2	81·5	83·2	84·1	83·7	84·0	84·3	83·6	82·9	83·5	83·5	83·6	83·7	84·0	83·6	83·2	83·2	83·1	82·7	82·8
28	82·3	82·0	81·4	81·3	80·9	81·4	83·1	82·4	84·3	85·0	84·3	85·5	85·5	86·8	85·2	86·5	85·9	84·7	84·0	81·9	81·1	80·9	80·0	80·5	83·3
29	80·0	80·2	79·7	79·2	79·6	80·0	80·6	82·2	81·4	83·2	84·0	81·4	84·9	84·6	84·5	85·9	85·6	83·9	82·8	81·4	80·6	80·8	80·2	80·3	82·0
30	80·6	80·8	81·0	81·2	81·2	81·6	82·7	84·0	81·3	84·7	83·4	84·2	83·0	84·9	85·2	85·9	85·0	83·8	82·9	82·0	81·0	80·0	80·6	81·5	82·6
Mean ...	81·1	81·0	80·7	**80·5**	81·0	82·1	83·4	84·3	85·2	85·8	86·0	86·5	86·7	87·0	**87·1**	87·0	86·6	86·0	85·0	83·9	82·7	82·0	81·5	81·3	83·9
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is printed 75·0.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

118. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulb above ground) = 0·9 metre. **July, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	81·2	82·9	83·5	83·0	83·2	83·3	83·0	82·8	83·2	83·3	85·0	85·3	85·3	85·4	85·6	85·6	86·4	86·0	85·5	85·0	84·2	83·8	83·8	83·4	84·1
2	83·2	83·0	82·9	82·9	82·9	83·0	83·0	83·4	83·5	83·9	84·1	84·8	85·4	86·0	85·6	85·3	85·0	84·1	83·7	83·1	83·0	82·9	82·3	81·2	83·7
3	81·0	82·3	82·1	81·5	81·9	82·3	82·9	83·5	83·9	84·0	84·9	85·0	85·2	86·0	85·8	86·5	86·1	85·5	85·6	83·7	80·3	79·9	80·0	80·9	83·4
4	81·0	82·0	82·1	82·1	82·7	82·5	83·0	82·9	82·5	83·7	86·0	87·0	86·9	85·1	85·4	85·4	84·6	84·3	83·5	83·2	83·6	82·7	82·9	82·8	83·6
5	82·2	82·0	81·8	81·6	81·9	82·2	83·5	82·9	83·0	85·0	85·0	85·3	85·8	85·4	85·4	85·6	85·7	85·8	85·0	83·9	83·4	82·2	81·7	81·4	83·7
6	81·1	80·7	80·3	79·7	79·5	79·9	79·7	79·3	79·5	79·8	80·2	81·4	82·1	84·0	84·3	84·0	83·8	83·0	82·3	81·8	80·8	80·8	80·6	80·4	**81·2**
7	80·4	80·0	80·3	80·6	80·4	81·0	81·0	81·9	83·4	84·8	82·1	81·3	82·6	83·4	81·8	81·7	82·7	83·4	82·3	82·6	81·5	81·2	80·4	81·1	81·7
8	81·4	81·1	79·0	77·5	78·2	80·5	81·2	82·7	83·8	83·0	83·1	83·4	83·0	83·2	83·8	83·2	82·8	82·1	81·9	82·2	82·1	82·1	82·3	82·5	81·9
9	82·8	82·7	83·1	83·0	82·4	83·7	84·8	84·8	85·0	84·5	85·8	86·9	84·8	84·3	85·3	85·2	84·3	84·4	83·8	83·6	83·2	83·0	82·2	82·3	84·0
10	81·6	81·4	81·3	81·2	81·0	81·2	82·9	82·5	85·0	86·2	86·4	86·7	86·9	85·9	85·5	85·0	85·1	85·0	84·0	83·5	83·0	81·3	80·2	79·4	83·5
11	77·2	76·1	75·1	74·8	76·4	78·8	81·3	83·8	84·2	84·4	85·2	85·6	86·0	85·8	86·6	86·4	86·5	86·1	85·8	84·0	79·9	79·2	77·2	75·7	81·8
12	75·3	74·5	74·3	75·0	75·6	78·3	83·2	85·2	85·4	85·4	85·0	85·9	85·5	85·7	85·4	85·5	85·0	85·2	84·8	84·7	84·6	84·6	84·5	84·4	82·4
13	84·4	84·2	84·2	84·2	84·2	84·3	84·4	84·5	85·0	85·9	86·6	86·2	87·2	86·7	88·0	86·9	85·5	84·1	83·6	83·0	82·8	82·5	82·6	82·6	84·8
14	82·7	82·7	82·6	83·3	83·6	83·7	83·9	85·3	86·4	87·4	87·5	88·2	88·1	89·2	89·7	88·9	89·0	88·0	87·9	85·2	83·3	81·7	79·2	78·5	85·3
15	77·2	76·0	75·4	75·2	75·5	77·4	81·4	83·2	87·7	87·6	87·7	87·5	88·5	89·2	88·2	89·0	87·3	87·0	86·5	85·0	83·1	83·3	83·6	83·9	83·5
16	84·0	83·4	83·2	83·5	83·4	83·5	83·9	84·0	84·6	87·0	87·8	87·9	87·2	87·3	86·9	87·3	88·0	87·3	87·1	85·7	84·4	84·2	84·0	83·6	85·4
17	83·4	83·0	83·0	83·7	84·0	84·5	84·8	85·3	86·5	86·0	86·2	87·5	87·3	86·2	87·3	88·3	86·7	85·3	85·2	83·9	82·5	80·1	79·4	78·1	84·6
18	77·7	76·6	76·9	76·8	76·9	78·0	81·4	84·0	86·1	86·7	88·1	88·3	88·7	89·0	89·2	88·9	88·2	87·2	86·9	85·0	83·8	83·2	82·1	82·2	83·7
19	82·3	81·3	81·1	80·0	82·0	82·9	83·4	83·4	84·5	84·2	85·0	85·7	86·2	86·3	87·6	87·0	88·0	86·9	86·7	85·7	84·1	83·2	83·2	83·3	84·3
20	84·0	84·0	83·7	83·6	83·6	83·8	84·3	84·8	85·0	85·3	85·9	86·1	86·2	86·4	86·3	86·6	86·8	86·7	86·5	85·9	85·8	85·9	85·9	85·8	85·3
21	85·9	85·9	85·8	85·5	85·0	84·8	85·0	85·2	85·7	86·0	86·0	86·8	86·4	88·4	87·7	87·6	87·2	86·3	85·9	85·0	84·0	83·3	83·0	82·3	**85·7**
22	81·1	80·2	78·6	77·2	77·3	81·0	84·3	86·2	87·6	86·4	87·3	87·5	88·5	89·0	89·1	89·2	89·3	89·4	89·2	85·7	84·9	83·6	81·7	81·8	84·9
23	82·2	81·8	81·8	82·0	82·1	82·4	83·8	84·2	84·8	85·8	86·3	87·0	86·7	86·9	86·8	86·4	86·0	85·2	84·3	83·2	81·8	80·7	80·2	78·0	83·8
24	80·0	81·1	80·3	80·8	81·1	81·7	82·5	83·1	83·9	83·2	84·2	84·7	85·9	85·8	85·1	84·9	84·8	84·3	84·0	83·3	83·1	82·7	82·0	80·6	83·0
25	80·9	81·6	80·5	80·9	80·7	81·3	82·3	83·1	84·0	85·0	85·7	86·9	87·1	87·1	86·9	86·8	87·0	86·9	85·0	83·5	80·5	79·6	78·9	78·4	83·4
26	78·2	79·2	79·5	80·3	81·1	81·7	82·2	83·4	84·7	85·1	85·6	85·3	85·4	85·9	86·1	87·2	86·8	86·9	86·8	85·0	83·5	83·4	83·0	82·8	83·6
27	82·7	81·9	82·1	81·1	80·4	81·8	83·2	84·7	84·8	86·2	86·0	87·0	88·1	89·0	89·1	88·1	88·6	86·7	85·5	84·4	83·5	80·3	80·0	78·6	84·4
28	76·9	77·0	76·5	76·1	76·8	79·0	81·2	84·3	84·9	85·2	85·7	86·5	85·6	86·4	86·5	86·3	86·4	85·2	84·9	82·5	81·6	80·0	81·0	80·9	82·3
29	81·1	81·0	81·0	81·5	81·8	82·5	82·3	83·1	83·7	84·5	85·8	86·1	87·8	88·5	88·7	88·8	88·5	87·1	86·7	86·0	85·5	85·4	84·0	83·5	84·7
30	83·5	81·5	80·7	80·8	79·4	80·5	82·1	83·1	85·0	84·4	85·0	86·1	86·0	86·0	86·9	86·1	85·1	84·5	83·5	83·2	82·8	83·5	83·7	83·8	83·6
31	82·8	82·3	82·1	82·2	82·5	82·9	83·2	84·0	83·8	84·3	85·1	85·3	84·7	82·1	82·3	84·4	83·2	83·0	82·7	82·7	82·1	81·1	81·9	81·5	83·1
Mean ...	81·3	81·1	80·8	**80·7**	80·9	81·7	82·9	83·7	84·5	85·3	85·5	86·0	86·2	86·3	**86·4**	86·4	86·1	85·6	85·1	84·0	83·0	82·3	81·9	81·5	83·7

119. Eskdalemuir : Louvred Hut : $h_t = 0·9$ metre. **August, 1922.**

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	81·7	81·8	81·5	81·9	82·0	82·1	82·7	83·1	84·1	84·8	84·0	86·0	85·8	86·2	86·2	86·0	84·8	84·7	84·3	83·8	83·5	83·0	83·0	82·0	83·7
2	82·0	82·0	82·1	82·1	82·1	82·2	83·1	83·3	83·1	84·6	83·3	84·2	85·0	86·1	86·1	83·3	84·8	85·0	84·2	82·9	82·9	82·0	80·1	79·8	83·2
3	77·8	76·7	76·1	75·0	74·1	75·7	78·7	83·1	84·3	86·1	87·8	88·5	88·3	88·2	88·0	87·4	86·7	86·4	85·8	84·0	82·0	79·8	79·0	78·0	82·4
4	78·1	78·9	78·4	78·4	78·8	79·9	82·9	86·0	87·9	88·3	88·9	88·3	88·0	89·6	88·1	87·8	87·5	86·6	86·0	85·4	84·2	84·1	83·9	83·5	84·4
5	83·1	83·0	82·4	82·1	82·3	82·9	83·8	84·3	85·0	85·6	86·1	86·8	87·3	88·3	88·4	88·2	88·0	87·9	87·2	85·4	83·5	83·0	83·3	83·0	85·1
6	83·1	83·0	83·0	82·0	81·4	82·2	83·7	85·0	86·8	87·3	89·0	90·1	91·3	90·8	90·8	89·2	88·2	87·0	86·3	86·1	85·4	85·1	84·0	82·1	86·0
7	82·0	82·1	81·7	80·9	80·8	80·3	83·0	83·9	84·9	86·3	87·1	86·7	87·2	86·7	86·8	85·8	85·3	84·9	84·0	83·0	82·2	82·2	82·3	82·1	83·8
8	82·2	82·2	82·2	81·9	82·0	82·0	82·0	83·0	83·2	82·3	83·1	82·2	83·4	83·6	83·2	83·4	83·7	83·8	83·9	83·9	83·5	83·4	83·9	83·9	83·0
9	84·0	83·7	83·3	83·2	83·3	83·1	82·5	82·2	82·9	83·8	84·9	85·0	84·9	85·8	85·6	84·5	84·4	84·0	83·6	82·8	82·0	82·0	81·4	78·3	83·5
10	78·1	77·2	79·9	79·3	79·7	80·0	81·1	82·8	83·6	84·0	83·9	84·2	84·8	84·5	84·2	84·1	84·0	84·1	83·5	82·5	81·5	81·0	80·3	80·2	82·0
11	79·8	79·9	79·6	79·8	79·2	80·2	81·9	83·2	85·4	84·8	85·9	85·8	86·2	86·0	86·1	87·1	86·1	85·1	83·8	81·1	78·8	77·2	76·1	76·0	82·4
12	76·9	76·9	77·2	77·6	78·9	80·3	80·8	81·3	81·5	81·8	82·1	82·9	83·2	83·8	84·3	85·0	85·7	84·9	84·4	82·2	81·9	82·4	82·7	82·2	**81·6**
13	81·8	81·7	80·4	79·3	80·0	81·3	83·2	84·1	84·1	85·8	86·2	86·0	88·1	87·4	87·3	86·2	85·5	85·5	84·1	82·4	82·1	81·3	80·4	79·5	83·5
14	81·6	81·8	81·8	80·4	78·4	79·5	83·1	84·2	83·6	85·5	85·7	85·8	85·1	86·0	86·7	84·9	85·0	84·3	84·1	81·9	82·1	82·0	82·0	81·7	83·2
15	81·3	81·5	81·3	81·6	81·6	81·9	83·2	84·0	85·4	85·3	87·0	85·9	86·1	86·1	84·8	84·9	84·9	85·0	84·8	84·5	84·1	84·2	84·7	85·0	84·1
16	85·0	85·1	85·0	84·9	84·9	85·0	84·5	84·6	85·3	86·3	86·6	86·6	87·0	87·6	87·1	87·6	86·9	86·0	85·8	85·3	85·1	85·5	85·1	85·0	**85·7**
17	85·3	85·3	85·2	85·0	84·8	84·6	84·3	85·1	85·5	83·9	84·1	86·7	85·0	83·1	83·6	84·0	83·9	84·0	83·9	83·8	83·1	83·0	82·9	82·7	84·3
18	82·3	81·3	81·3	82·0	81·4	81·9	82·5	83·8	85·1	85·7	85·1	86·5	88·0	87·8	87·5	87·0	87·2	86·0	84·5	83·1	82·1	82·9	82·1	81·0	84·1
19	81·1	80·4	78·3	80·4	80·7	81·0	82·0	83·4	84·5	85·2	86·2	87·3	87·7	87·7	88·2	89·3	89·0	88·4	87·7	87·2	86·7	86·3	86·2	86·8	85·0
20	86·0	86·2	85·5	84·6	84·0	84·0	84·0	84·0	85·0	85·1	85·0	85·0	85·1	85·0	85·2	85·6	85·5	85·3	85·4	85·0	84·9	84·4	84·1	84·0	85·0
21	83·3	83·5	83·4	83·1	83·0	83·1	83·7	84·1	84·8	85·2	86·1	86·3	86·9	86·8	86·6	86·6	86·1	86·2	86·1	85·8	85·5	85·3	85·2	85·1	85·1
22	85·1	85·0	84·0	84·8	84·1	83·9	82·8	83·6	83·6	85·2	87·0	87·3	86·8	86·3	86·2	85·2	84·5	84·0	83·9	84·0	84·3	84·1	83·8	81·8	84·7
23	81·6	81·3	81·0	81·0	80·9	80·9	81·1	82·9	84·3	85·5	85·0	86·7	86·1	86·7	85·6	84·9	84·8	83·8	83·0	82·0	81·5	81·3	81·1	81·1	83·1
24	81·2	81·6	80·9	80·3	79·5	81·1	80·0	80·2	82·1	82·3	82·4	83·1	83·9	82·5	82·2	82·4	82·6	82·4	83·9	83·4	83·4	83·1	83·1	83·2	82·1
25	83·7	83·5	83·5	82·9	82·5	82·0	82·2	82·8	83·2	84·0	84·8	85·1	87·2	87·7	87·0	86·1	85·9	84·4	82·2	81·5	81·2	80·4	80·4	80·1	83·6
26	80·3	79·9	79·7	79·0	77·4	78·1	80·0	82·6	84·0	84·0	84·8	84·7	85·1	85·8	86·3	85·8	84·8	84·4	84·7	84·7	84·8	85·0	85·5	85·8	83·1
27	85·9	86·0	86·0	85·9	86·2	86·3	86·3	86·0	86·2	85·1	86·5	86·0	85·6	86·0	86·3	86·2	86·0	85·3	85·1	84·7	84·3	84·0	84·0	83·8	85·6
28	83·3	82·3	82·7	82·3	81·9	81·3	81·8	83·3	85·2	87·1	88·8	89·6	90·3	89·7	89·7	89·2	88·9	87·8	85·7	83·2	84·2	83·8	83·9	84·0	85·4
29	84·0	84·1	84·1	84·1	84·1	84·1	84·6	84·6	84·7	85·0	86·0	86·8	86·8	86·5	86·9	86·7	85·7	85·5	85·0	85·1	84·9	84·3	84·0	84·0	85·1
30	83·7	83·0	81·3	80·5	79·8	80·4	82·0	84·7	87·0	88·0	87·9	87·4	88·2	88·7	88·2	89·1	88·5	87·8	86·0	85·1	81·4	80·9	81·5	82·1	84·8
31	82·8	82·9	82·9	82·9	82·9	83·1	83·0	83·8	86·2	86·8	86·9	85·0	84·3	84·3	84·8	85·5	85·1	84·8	84·1	83·9	83·7	83·1	81·3	82·9	84·0
Mean ...	82·2	82·1	81·8	81·6	**81·4**	81·7	82·6	83·7	84·6	85·2	85·7	86·1	86·4	**86·5**	86·4	86·1	85·8	85·3	84·7	83·9	83·3	82·9	82·6	82·3	83·9
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is printed 75·0.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

120. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulb above ground) = 0·9 metre. **September, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	82·4	81·3	80·6	80·0	79·3	78·9	81·2	82·6	84·9	85·0	86·0	85·9	84·7	84·8	84·5	84·1	84·2	83·0	82·8	82·8	83·0	83·0	83·1	83·6	83·0
2	83·4	83·4	83·5	83·9	83·8	83·8	83·9	84·1	84·7	84·3	84·6	85·1	85·3	86·8	86·8	86·7	87·0	86·9	85·8	84·8	84·6	84·6	84·3	84·1	84·8
3	84·1	83·9	84·1	83·6	83·5	83·2	84·0	85·0	85·2	87·0	87·7	87·9	88·2	88·6	88·4	88·6	88·7	88·0	86·4	86·3	85·1	84·5	84·1	82·9	**85·8**
4	82·9	83·0	83·0	82·9	83·0	82·4	83·0	83·1	83·5	84·8	86·0	88·1	89·7	90·4	91·3	91·9	91·8	90·1	87·0	83·0	82·8	81·1	81·5	81·3	85·4
5	80·5	79·4	80·5	80·9	81·0	81·6	83·1	84·5	85·4	86·5	87·4	89·0	89·7	89·9	90·4	90·2	88·0	87·0	85·8	85·2	84·5	83·2	83·0	83·3	85·0
6	84·8	84·9	85·1	85·1	85·0	84·3	84·0	85·0	88·0	88·9	88·9	87·7	88·8	88·0	88·5	87·7	86·4	84·6	83·1	81·4	80·4	81·6	80·7	78·9	85·2
7	79·1	79·8	79·7	79·2	78·9	78·4	79·1	80·4	83·4	85·1	87·5	88·3	88·0	88·4	88·5	88·1	87·4	85·8	83·6	82·9	81·2	80·7	79·0	79·0	83·0
8	77·7	77·4	77·3	78·0	78·8	79·0	80·4	81·7	84·9	86·1	87·6	88·9	88·8	84·5	83·9	83·5	83·4	82·7	81·1	79·9	79·3	80·2	78·5	76·8	81·7
9	77·1	77·7	77·8	77·8	77·7	77·3	79·7	81·0	82·4	82·6	83·9	83·8	84·1	84·4	83·5	84·0	82·6	81·4	78·9	77·0	76·4	75·5	74·2	73·3	79·8
10	73·0	74·0	73·7	75·4	73·8	73·1	76·3	79·0	82·9	84·0	84·2	84·5	85·8	86·9	86·9	86·7	85·0	83·3	82·5	81·5	81·0	81·1	80·5	80·0	80·5
11	81·3	79·4	79·5	79·1	81·1	80·0	81·6	82·8	82·9	84·2	84·4	84·1	84·0	83·7	83·1	82·8	83·0	82·9	82·7	82·7	82·4	82·4	82·5	82·8	82·3
12	82·9	83·1	83·3	83·4	83·1	83·1	83·1	83·3	83·7	83·0	83·1	83·7	83·6	83·3	83·5	83·6	83·1	83·1	83·1	82·8	82·9	82·9	82·5	82·4	83·2
13	82·1	82·1	82·2	82·2	82·2	81·8	82·0	82·3	82·7	83·5	83·4	83·8	83·9	84·2	84·0	84·1	84·1	84·0	83·9	84·0	84·0	83·9	83·9	83·5	83·2
14	83·3	83·0	83·5	83·6	83·8	83·9	84·0	84·1	84·2	85·2	85·6	86·0	86·4	87·3	86·7	85·9	85·5	84·5	83·6	83·1	83·1	82·6	82·9	82·8	84·4
15	82·4	82·1	82·0	81·2	80·4	79·6	80·3	81·0	81·6	80·8	80·9	82·0	83·3	84·0	84·1	83·6	82·1	81·1	78·7	78·0	77·2	77·0	75·4	73·1	80·7
16	72·8	72·1	73·6	78·4	78·2	80·6	80·1	81·1	82·0	82·8	83·5	84·3	85·0	85·9	85·7	86·0	86·4	86·5	86·6	86·6	86·3	86·0	85·8	84·9	82·3
17	83·7	83·4	83·0	82·5	82·1	82·0	82·1	82·2	82·5	82·6	82·5	82·4	84·0	83·7	84·0	83·9	83·4	81·8	80·9	79·6	79·0	78·1	77·6	75·9	82·0
18	75·3	74·2	74·4	73·6	72·1	73·0	73·2	76·5	81·2	79·6	81·4	82·1	81·8	82·3	82·8	82·3	82·2	81·9	81·7	81·6	82·3	82·9	83·0	82·3	79·2
19	82·0	82·3	82·3	82·4	83·3	83·7	83·9	84·2	84·8	85·3	86·1	86·3	87·6	87·6	87·9	88·0	88·0	88·0	87·3	86·9	86·9	87·2	85·1	84·7	85·4
20	84·6	84·0	83·7	83·0	82·4	81·9	81·9	82·5	83·4	84·6	85·3	85·7	85·2	85·3	84·8	84·0	83·3	82·8	82·4	82·1	81·7	81·8	81·0	80·5	83·3
21	80·5	80·6	80·5	80·4	80·5	80·5	80·6	80·8	80·8	81·3	81·9	81·4	81·0	81·1	81·5	81·0	80·2	80·0	80·0	80·0	79·8	79·7	79·4	79·7	80·5
22	79·3	79·5	79·7	79·6	79·1	78·4	77·8	80·2	82·8	84·4	85·9	86·1	87·0	87·5	86·9	86·1	84·8	83·0	79·2	78·5	78·2	76·9	77·0	76·5	81·5
23	74·8	74·0	73·3	73·4	73·9	74·5	75·0	79·8	82·7	83·1	83·9	84·5	85·0	85·2	85·4	84·5	83·9	82·3	81·4	80·4	80·0	80·1	79·7	79·0	79·9
24	79·1	79·2	79·8	79·8	79·9	79·9	80·3	80·6	81·1	81·5	81·9	82·0	82·0	82·1	82·2	82·2	82·2	82·3	82·1	82·2	82·2	82·2	82·3	82·1	81·2
25	82·1	82·3	82·0	82·1	82·0	81·8	82·0	82·8	83·4	85·2	85·1	85·7	85·6	87·0	85·1	84·1	83·5	83·1	82·9	82·7	82·6	83·0	83·1	83·1	83·4
26	83·1	83·0	83·0	83·0	83·0	83·2	83·4	84·1	84·4	84·9	85·1	85·0	85·3	85·7	86·1	86·3	86·0	86·0	85·3	85·3	84·9	85·1	85·0	84·0	84·6
27	83·9	84·1	83·9	83·4	83·3	83·3	83·3	84·1	85·8	86·3	87·0	87·4	87·6	87·4	87·1	86·3	85·4	84·7	84·0	84·3	84·5	84·4	84·3	84·0	85·0
28	83·9	83·8	83·5	83·3	83·2	83·3	83·4	83·7	73·9	84·1	84·3	84·3	84·8	84·6	84·8	85·0	84·7	84·1	84·1	83·9	81·0	80·5	80·3	79·9	83·5
29	79·3	79·2	79·1	78·7	78·9	78·9	79·2	81·0	82·1	83·5	84·2	84·9	85·0	85·3	85·1	84·0	82·1	80·2	78·1	77·8	75·8	74·3	73·4	72·8	80·3
30	72·1	72·4	71·9	72·1	73·0	72·9	73·8	75·1	78·2	81·0	81·9	81·8	82·0	82·6	82·1	82·3	82·5	82·1	81·8	81·7	81·7	81·8	81·7	81·7	**78·6**
Mean ...	80·5	80·3	80·3	80·4	80·3	**80·3**	80·9	81·9	83·3	84·0	84·7	85·1	85·4	**85·9**	85·5	85·3	84·7	83·9	82·9	82·3	81·8	81·6	81·2	80·6	82·6

121. Eskdalemuir : Louvred Hut : h_t=0·9 metre. **October, 1922.**

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	82·0	82·0	82·0	83·0	83·1	82·7	83·1	83·3	84·3	84·9	84·4	85·5	85·7	85·3	85·6	84·9	83·9	82·2	81·7	81·4	81·4	82·1	82·0	82·3	83·3
2	83·0	83·0	82·2	81·9	81·4	81·1	81·4	82·0	82·2	83·5	84·5	85·0	85·3	84·8	84·1	83·5	83·1	82·1	79·3	79·0	77·7	77·0	76·0	74·9	81·7
3	74·0	74·0	74·5	74·5	74·8	75·2	76·3	77·8	79·5	83·1	83·8	84·0	84·0	82·9	83·1	82·9	83·1	83·3	83·9	83·9	84·3	84·7	84·7	84·4	80·5
4	84·6	84·8	84·8	84·8	84·8	84·8	84·9	85·1	85·9	87·2	86·7	86·3	86·6	86·7	86·6	85·9	85·3	84·8	85·1	85·0	84·9	85·0	85·2	85·0	**85·4**
5	85·0	84·8	84·8	84·9	84·8	84·7	84·7	84·7	84·9	84·8	85·3	86·3	87·5	87·3	86·6	85·3	84·5	83·0	83·5	84·3	84·1	84·0	83·9	83·1	84·9
6	83·0	82·7	82·3	81·9	81·1	80·5	80·6	81·0	81·8	83·1	83·3	85·2	85·2	85·1	84·8	84·0	81·9	79·3	78·0	77·5	76·2	76·5	76·0	74·1	81·2
7	74·3	73·7	73·9	73·2	73·0	72·3	72·2	73·1	76·6	81·3	83·0	84·9	85·5	85·8	85·4	84·6	83·0	79·6	78·3	77·3	77·3	76·5	75·9	75·9	78·2
8	75·1	74·0	73·7	73·0	73·4	73·8	74·7	75·4	77·6	79·8	82·1	83·8	84·7	84·9	84·7	84·3	83·4	82·6	82·2	81·9	81·8	81·4	81·5	81·1	79·5
9	81·0	81·0	80·8	80·7	80·2	80·3	80·0	80·3	81·1	81·7	82·0	82·1	82·3	82·7	83·0	82·7	82·1	81·1	80·7	80·3	80·4	80·1	79·6	80·0	81·1
10	79·5	79·3	79·7	79·6	79·4	79·7	79·8	80·1	81·0	81·5	81·9	82·3	82·2	82·9	81·1	81·2	80·9	79·5	78·4	78·2	78·5	78·6	78·0	76·9	80·1
11	76·2	76·0	75·0	74·3	74·0	73·0	72·4	73·6	77·1	80·8	81·7	82·4	82·8	82·7	82·3	81·1	79·9	78·0	78·1	78·8	78·8	78·9	78·6	78·8	78·1
12	79·1	79·6	80·0	80·5	81·1	81·0	80·9	80·5	80·9	80·7	80·9	80·8	81·8	82·0	82·5	83·7	83·7	84·0	84·0	84·2	84·0	83·6	83·2	83·1	81·8
13	83·1	83·0	82·2	81·8	80·4	79·3	78·4	79·7	82·5	84·3	84·8	86·4	86·9	86·5	86·3	85·3	83·1	80·9	80·5	80·1	78·4	79·1	78·1	79·1	82·2
14	78·7	78·1	78·0	77·7	77·1	76·2	76·0	76·9	81·5	85·0	87·6	88·9	89·5	89·7	89·7	88·3	84·8	83·3	80·1	79·1	78·3	78·6	78·1	76·5	81·6
15	76·3	75·7	75·0	75·7	75·7	74·9	75·8	77·4	82·9	86·9	90·1	90·8	90·9	91·3	90·9	89·0	85·1	82·8	80·9	80·6	80·2	79·7	80·1	79·6	82·0
16	78·3	77·0	78·1	75·7	75·1	77·3	76·7	77·4	78·1	80·9	81·5	84·0	84·8	85·0	84·9	83·9	81·6	80·2	79·2	78·5	78·5	78·4	78·4	78·6	79·7
17	79·3	79·8	79·5	79·9	79·4	80·0	79·2	79·9	81·1	82·7	84·0	83·9	84·1	83·4	83·3	82·0	80·5	80·0	79·9	79·8	80·0	79·4	79·7	80·7	80·9
18	80·8	80·0	79·0	79·1	79·6	80·0	79·9	80·2	80·6	81·5	81·1	82·0	82·0	82·1	81·9	80·9	79·9	78·6	77·3	76·7	77·5	76·9	77·0	77·7	79·7
19	77·7	76·4	77·1	77·6	77·9	78·3	78·2	78·3	79·1	80·0	81·2	81·1	80·6	80·4	80·0	80·3	79·0	79·1	79·1	78·8	78·0	78·3	78·3	78·2	78·9
20	78·7	79·0	78·4	78·3	78·0	78·5	78·8	79·0	79·2	79·5	79·6	80·0	80·1	80·0	80·2	80·0	79·0	78·7	79·0	78·5	78·9	78·1	78·1	77·7	79·0
21	77·5	77·0	77·3	77·9	77·9	78·0	78·0	78·4	79·2	79·8	80·1	80·7	81·1	79·9	79·3	79·3	78·9	78·8	78·1	77·6	77·0	76·9	76·8	77·0	78·5
22	76·1	75·9	76·3	76·1	75·9	75·7	75·5	75·3	77·9	78·7	79·1	79·0	79·4	80·0	79·4	78·5	77·4	78·0	78·1	77·9	77·8	78·0	78·0	77·2	77·5
23	77·4	77·2	76·0	75·3	76·3	76·5	76·0	74·9	77·0	78·1	79·1	79·2	79·9	79·7	79·9	79·2	78·3	77·7	76·7	76·9	76·9	76·9	77·6	77·2	77·5
24	77·1	77·1	77·1	77·1	77·1	77·0	77·6	77·9	77·9	79·2	80·2	80·8	80·9	80·4	80·2	79·6	78·1	78·1	77·3	76·9	75·1	76·9	76·9	74·8	78·0
25	74·5	73·9	72·4	72·2	72·5	70·9	71·1	72·2	73·2	75·8	79·2	79·1	78·9	78·4	79·5	78·5	77·1	77·0	76·8	76·7	76·9	76·9	77·0	76·6	75·7
26	76·4	76·1	76·1	75·7	74·3	74·0	73·5	74·1	76·6	77·3	78·1	78·9	78·2	79·1	78·5	77·5	76·3	76·8	73·9	74·3	74·1	73·9	74·2	74·6	76·0
27	73·8	73·6	72·9	74·0	75·7	76·0	76·0	76·1	77·0	77·6	77·0	76·0	75·8	75·1	74·4	74·0	74·0	73·9	73·5	74·0	74·0	74·1	74·2	73·8	74·9
28	73·8	74·0	73·7	73·5	73·5	73·7	73·9	73·8	74·3	75·2	75·1	75·8	75·9	76·3	75·8	75·0	74·2	74·2	74·0	74·2	74·2	74·3	74·6	75·0	**74·5**
29	75·0	74·7	74·8	74·7	74·6	74·7	74·5	74·1	75·1	76·0	76·5	77·0	77·0	76·4	76·4	75·9	75·3	75·0	74·9	74·7	74·8	74·7	74·8	74·7	75·3
30	74·8	74·7	75·0	75·0	75·0	75·1	75·3	76·0	75·9	76·7	77·8	78·0	78·1	77·5	77·5	76·2	75·8	75·1	75·4	75·1	74·9	74·8	74·5	74·7	75·8
31	74·4	72·0	71·3	70·7	69·8	69·1	68·3	68·0	70·0	72·5	76·8	77·5	78·2	78·1	78·4	77·4	76·7	77·0	78·0	78·5	78·6	78·9	79·1	79·5	74·9
Mean ...	78·1	77·7	77·5	77·4	77·3	77·2	**77·2**	77·6	79·1	80·7	81·6	82·2	**82·5**	82·3	82·1	81·5	80·3	79·5	78·9	78·7	78·5	78·5	78·4	78·1	79·3
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is printed 75·0.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

122. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulb above ground) = 0·9 metre. **November, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	79·7	79·9	79·1	79·1	77·9	77·8	77·3	77·4	75·9	76·3	76·9	77·9	78·6	79·0	77·7	76·4	75·3	75·0	74·7	74·0	74·0	73·8	73·6	73·2	76·8
2	73·0	73·0	73·0	73·3	73·5	73·6	73·2	73·2	74·0	75·1	75·7	76·2	77·1	77·3	76·7	75·5	74·1	74·2	74·2	74·0	74·0	74·6	74·3	74·1	74·4
3	73·8	74·1	74·0	74·3	74·3	74·4	73·8	73·7	74·4	74·6	74·8	75·2	75·8	75·7	76·5	74·6	74·1	73·2	74·1	74·0	73·3	73·8	73·7	72·3	74·3
4	71·1	71·2	71·0	70·2	71·1	72·0	72·0	72·2	73·4	74·8	75·7	76·1	76·5	76·6	76·1	74·4	73·3	73·3	74·1	72·7	73·0	72·3	71·7	71·6	73·2
5	71·5	71·3	71·2	72·0	71·6	71·9	71·7	71·8	72·6	73·3	74·5	76·0	75·9	76·4	76·3	76·0	75·7	75·8	75·9	75·8	75·7	75·9	76·1	76·5	74·1
6	76·8	77·1	77·3	77·8	78·3	79·0	79·5	80·0	80·5	80·8	81·2	81·1	80·9	80·3	80·3	80·2	80·0	80·0	79·7	79·7	79·4	79·4	79·5	79·4	79·4
7	79·7	79·8	79·9	79·9	79·9	79·8	79·5	79·3	79·8	81·5	81·6	81·2	83·0	82·1	81·1	80·2	79·0	79·0	78·8	77·8	78·8	78·8	77·5	76·3	79·8
8	76·1	77·2	76·8	76·8	76·8	75·4	74·1	74·9	74·8	76·7	79·3	79·8	79·8	79·3	79·5	79·2	79·2	79·0	78·1	76·7	76·8	77·5	77·8	77·4	77·4
9	77·3	76·3	76·4	75·0	76·1	75·5	75·4	73·8	75·1	75·8	77·5	78·1	78·2	78·1	77·8	77·1	76·5	76·7	76·5	76·3	75·6	76·0	76·9	77·5	76·5
10	78·1	78·2	78·5	78·4	78·5	79·0	79·1	79·5	80·1	80·3	81·0	81·3	82·0	82·1	82·6	82·5	82·1	82·0	81·7	80·8	80·0	80·1	80·0	79·1	80·3
11	79·0	78·3	78·1	77·9	76·7	75·4	75·8	76·0	76·5	78·2	80·0	80·4	81·1	80·3	78·6	75·4	74·3	73·7	72·1	71·5	72·0	71·5	70·7	70·1	76·2
12	70·5	71·1	71·5	71·2	72·4	73·8	75·6	75·3	76·4	78·6	79·3	79·8	80·0	80·1	79·9	79·7	79·7	79·9	79·5	79·2	79·7	79·9	79·9	80·0	77·0
13	80·1	80·3	80·2	80·3	80·4	80·6	80·8	80·9	81·6	81·9	81·9	81·8	81·9	81·9	81·8	81·7	81·5	81·4	81·4	81·7	81·6	81·6	82·2	82·1	81·3
14	82·0	82·0	82·1	82·0	82·0	82·0	82·8	83·1	83·5	83·1	84·0	84·2	84·0	84·0	83·4	83·0	83·0	80·7	80·7	78·1	78·5	80·7	80·7	80·3	82·1
15	79·7	77·5	77·1	76·3	74·9	74·4	73·1	73·0	73·8	76·5	79·1	81·2	82·3	81·1	80·5	80·4	80·2	79·8	79·4	79·0	78·8	78·8	78·7	78·0	78·1
16	78·0	78·0	78·0	78·2	78·0	78·0	78·0	78·7	79·5	80·3	80·3	80·3	80·0	80·0	80·5	80·7	80·9	80·8	81·1	81·4	81·3	81·3	81·4	81·3	79·8
17	81·2	81·3	81·1	80·7	80·3	80·8	80·4	81·0	81·1	81·3	81·9	82·2	83·1	82·9	82·7	82·2	82·5	82·9	82·9	82·1	81·8	81·4	81·9	82·1	81·7
18	82·1	82·1	82·0	81·5	80·9	80·4	79·9	78·9	79·8	80·8	81·9	82·0	81·2	81·3	81·0	80·0	79·1	78·5	79·3	79·9	80·0	79·8	79·8	79·7	80·5
19	79·2	79·7	79·3	78·1	77·8	75·3	75·0	75·7	75·2	78·0	80·0	81·3	81·9	81·5	80·6	79·4	78·3	79·0	79·9	79·9	79·8	78·1	78·1	76·7	78·7
20	74·9	74·0	72·5	73·0	71·9	72·0	70·9	71·0	72·4	73·8	77·0	79·8	81·7	81·9	80·9	80·4	80·0	79·2	78·7	78·1	77·9	77·8	77·8	77·6	76·4
21	77·3	77·2	77·2	77·0	77·0	76·9	76·9	76·9	77·0	77·1	77·8	78·1	78·4	78·7	78·5	78·5	78·1	78·0	77·9	78·0	78·1	78·3	78·5	77·0	77·7
22	78·7	78·8	78·7	78·0	77·5	77·4	77·3	77·3	75·8	77·1	78·1	78·9	79·2	80·0	79·9	79·5	79·1	79·0	78·7	79·1	79·2	79·2	79·2	79·0	78·5
23	79·1	79·0	79·1	78·9	77·9	77·7	78·0	78·5	78·9	79·1	80·0	81·3	82·3	82·1	82·0	81·9	82·0	81·8	81·5	81·1	80·7	79·7	79·3	79·1	80·0
24	79·1	78·5	76·7	75·9	75·4	74·6	72·1	72·0	71·9	75·8	76·9	77·0	77·0	76·1	75·6	73·8	73·1	71·3	69·8	70·2	68·4	68·4	68·3	67·1	73·8
25	65·1	65·8	65·8	65·4	65·2	65·1	65·3	66·4	71·4	72·9	74·0	74·1	75·9	75·8	75·1	75·6	75·8	76·8	77·0	77·4	79·2	79·5	79·9	80·0	**72·4**
26	80·4	80·5	80·7	80·3	80·2	80·7	80·8	81·0	76·1	75·0	75·6	75·8	76·0	75·4	74·8	74·2	74·1	73·7	73·7	73·7	73·1	73·2	72·4	72·7	76·6
27	72·0	72·6	73·0	73·3	73·9	73·4	73·3	74·1	74·0	74·6	75·2	76·0	76·1	76·0	75·7	75·7	75·4	76·8	78·3	79·2	79·4	79·0	78·1	78·7	75·5
28	81·4	82·1	82·0	81·8	82·0	82·7	83·0	83·3	83·1	83·1	82·4	82·5	82·1	82·7	82·0	82·1	82·6	82·5	82·6	82·8	83·0	83·0	83·0	83·1	**82·4**
29	82·8	82·6	82·4	82·8	82·7	82·0	81·7	81·3	81·5	81·2	81·4	82·0	82·4	82·6	82·2	81·7	80·2	79·0	78·3	79·4	79·3	78·2	78·6	78·4	81·1
30	78·4	78·5	78·4	78·4	78·3	78·0	77·9	78·0	78·2	78·7	79·1	79·0	79·1	79·6	79·7	79·7	80·0	80·6	80·3	80·0	79·5	79·0	78·7	78·6	79·0
Mean ...	77·3	77·3	77·1	76·9	76·8	76·7	**76·5**	76·6	76·9	77·9	78·8	79·3	**79·8**	79·7	79·3	78·7	78·3	78·1	78·0	77·8	77·7	77·7	77·6	77·3	77·8

123. Eskdalemuir : Louvred Hut : $h_t = 0·9$ metre. **December, 1922.**

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	78·5	78·9	79·0	79·7	79·6	79·8	79·3	79·0	79·2	79·2	80·5	80·8	81·3	81·5	80·1	79·5	79·0	79·0	77·8	77·6	77·2	77·1	77·2	77·6	79·1
2	78·6	79·0	80·2	79·7	81·3	82·1	81·7	81·4	81·7	81·5	81·6	81·4	81·2	80·9	80·5	79·9	79·3	79·0	77·7	75·3	73·8	72·9	72·4	72·0	79·1
3	71·1	71·1	71·1	70·8	71·4	71·5	72·3	73·1	73·2	74·4	75·7	77·2	78·0	78·2	78·4	78·3	78·5	79·1	79·4	78·8	79·8	79·7	79·9	79·8	75·7
4	79·2	79·3	79·5	79·6	78·7	79·1	79·6	79·9	79·5	80·0	81·2	80·5	80·3	80·0	80·2	81·8	81·4	81·6	81·4	81·1	81·1	80·3	80·3	80·7	80·2
5	80·6	81·0	82·0	82·6	82·8	83·0	82·9	82·8	82·7	81·9	81·4	81·3	81·1	81·1	81·0	81·5	80·2	81·0	79·0	79·0	79·1	78·8	78·0	77·2	81·0
6	77·0	76·8	77·0	76·9	77·2	77·0	77·3	77·0	77·6	77·8	78·5	79·1	79·0	78·5	78·2	77·4	76·5	76·6	75·7	75·4	75·1	76·0	76·4	76·3	77·1
7	76·2	77·9	78·8	79·0	79·0	79·2	79·1	79·2	79·7	80·0	80·8	81·1	81·2	81·0	80·7	80·8	80·3	80·2	80·1	80·0	80·0	80·0	80·0	79·4	79·7
8	79·2	79·2	78·0	77·2	77·0	77·0	76·2	76·1	76·4	76·8	77·1	77·5	77·7	77·6	77·6	77·1	77·0	76·7	76·8	76·6	76·3	76·5	76·9	77·3	77·2
9	77·3	77·1	77·0	76·9	78·1	78·1	77·3	76·6	77·7	78·4	80·2	80·2	80·3	79·7	78·2	76·5	74·9	74·0	72·5	72·5	70·7	70·0	69·5	69·8	76·1
10	71·0	71·9	72·8	73·1	73·2	73·3	73·8	73·7	73·9	74·1	76·3	76·7	77·2	77·1	76·8	76·7	76·5	76·6	76·8	76·5	76·3	76·8	76·5	76·2	75·0
11	76·8	76·0	76·0	75·5	75·3	75·0	74·5	74·0	75·4	76·4	75·9	77·1	77·0	78·0	78·5	78·6	78·7	78·6	78·4	78·2	78·3	78·1	78·2	77·9	76·9
12	77·7	77·8	78·4	78·9	79·3	79·5	80·2	81·0	81·1	81·2	81·6	81·6	81·4	81·6	81·5	81·5	81·3	81·3	81·3	81·8	81·9	82·1	82·4	82·5	80·7
13	82·8	82·8	82·7	82·8	82·9	82·8	83·1	83·0	83·0	82·0	82·3	82·1	82·0	81·7	81·7	81·6	81·8	81·6	81·7	81·9	82·0	81·9	81·8	81·9	**82·3**
14	81·8	82·1	82·4	82·4	82·2	82·1	82·1	81·8	81·6	81·6	80·9	80·6	80·2	80·0	79·5	79·3	78·0	77·6	76·4	76·8	76·4	75·3	73·0	72·0	79·6
15	71·8	70·6	70·5	70·0	71·0	69·8	70·1	71·0	71·8	72·7	73·2	73·8	74·1	74·1	74·1	74·0	74·2	74·2	74·3	74·0	74·0	73·7	73·0	72·0	**72·6**
16	72·8	74·3	74·3	74·7	75·0	75·0	75·0	75·0	75·3	75·7	76·0	75·7	75·4	75·4	75·4	75·3	75·4	75·2	75·0	75·3	75·9	76·1	76·2	76·0	75·1
17	75·9	75·9	75·9	75·8	75·9	76·0	76·4	76·3	76·3	76·6	76·7	76·9	77·1	76·7	76·4	76·2	76·0	76·1	75·8	75·6	74·9	74·5	74·4	74·7	76·0
18	74·8	74·7	74·0	73·7	73·8	73·7	73·8	73·8	74·0	74·0	74·2	74·8	76·0	76·0	76·0	75·5	75·2	74·5	74·8	74·9	75·3	75·6	75·7	75·9	74·8
19	76·1	76·3	76·2	76·1	75·8	76·6	77·4	78·1	78·4	78·8	78·7	78·8	78·9	78·8	78·5	78·1	77·7	77·3	77·0	75·8	75·2	75·3	74·7	75·2	77·1
20	75·0	75·3	75·1	74·7	74·8	74·8	74·7	73·5	73·8	73·2	73·9	74·4	74·7	75·2	75·5	75·6	75·9	76·0	76·3	76·2	76·0	76·1	76·2	75·7	75·1
21	75·0	74·7	74·3	74·4	74·0	73·0	73·3	73·7	73·7	75·7	76·2	76·5	75·7	74·5	75·0	75·1	75·2	75·9	76·3	77·0	77·5	77·9	78·1	78·6	75·4
22	79·2	79·3	77·1	77·9	77·4	77·9	74·0	74·9	75·9	77·0	76·9	75·0	75·8	77·8	77·3	76·9	78·0	79·0	79·0	79·7	79·4	79·3	79·0	78·4	77·6
23	78·7	78·6	78·1	76·7	76·2	78·0	78·4	78·0	77·7	77·6	78·1	78·2	78·3	78·5	78·5	78·2	77·7	76·1	76·9	76·7	77·0	76·5	76·3	77·4	77·6
24	76·1	75·8	76·1	75·1	74·5	74·8	75·6	74·8	75·5	75·6	76·9	76·8	76·9	76·3	76·0	75·7	75·5	76·0	76·0	76·7	77·1	77·3	77·9	77·2	76·1
25	77·4	77·5	78·0	78·0	78·1	78·4	78·7	79·2	79·8	79·9	80·0	80·0	79·7	79·3	78·3	78·6	77·1	78·0	77·2	76·8	76·7	76·4	76·0	75·9	78·2
26	75·8	75·6	75·7	75·8	75·9	75·6	75·7	75·5	75·5	76·0	76·5	76·6	76·7	76·8	76·7	76·0	75·8	75·8	76·1	76·2	76·5	76·5	76·6	76·6	76·1
27	77·0	77·1	76·7	76·7	76·1	75·8	75·8	75·5	75·9	74·6	74·0	74·2	73·9	73·3	73·5	72·7	72·1	71·7	71·6	71·7	72·6	72·5	72·2	72·5	74·2
28	72·1	72·6	73·1	73·3	73·4	73·6	73·8	73·8	73·9	74·2	74·3	74·4	74·6	75·6	75·2	74·3	75·0	74·1	74·0	74·6	74·4	74·0	73·7	73·2	74·0
29	73·4	73·5	73·7	73·9	73·8	73·6	73·6	73·7	73·9	74·1	74·2	74·9	75·4	76·0	75·5	75·4	74·9	74·7	75·4	76·0	76·1	76·2	76·0	75·7	74·7
30	75·7	75·7	75·7	75·7	75·9	75·6	75·6	75·7	75·6	76·0	76·0	76·0	76·2	76·5	76·5	76·1	76·0	76·0	76·8	76·0	75·0	73·8	74·8	74·2	75·7
31	73·2	73·0	73·2	73·0	73·9	73·7	73·9	74·5	74·6	74·9	75·2	75·6	75·9	75·3	74·7	74·3	73·9	74·0	73·0	72·2	71·8	71·2	71·2	71·1	73·7
Mean ...	76·4	76·5	76·5	76·5	76·6	76·6	76·6	76·6	76·9	77·2	77·6	77·7	**77·9**	77·8	77·6	77·4	77·1	77·0	76·8	76·7	76·6	76·4	76·3	**76·2**	76·9
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is printed 75·0.

TEMPERATURE: ANNUAL MEANS OF HOURLY VALUES.

From readings, in degrees absolute, at exact hours, Greenwich Mean Time.

124. Eskdalemuir : Louvred Hut : $h_t = 0{\cdot}9$ metre. **1922.**

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
77·52	77·41	77·28	**77·18**	77·22	77·52	78·07	78·79	79·66	80·37	80·96	81·39	81·66	**81·82**	81·72	81·33	80·85	80·31	79·66	78·99	78·46	78·15	77·91	77·64	79·24

TEMPERATURE: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

125. Eskdalemuir : Louvred Hut : $h_t = 0{\cdot}9$ metre. **1922.**

Month.	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
Jan.	274·42	−0·52	−0·38	−0·25	−0·14	−0·07	−0·07	−0·01	+0·11	+0·05	+0·40	+0·66	+0·99	**+1·16**	+1·14	+0·83	+0·40	+0·04	−0·25	−0·40	−0·74	**−0·87**	−0·74	−0·78	−0·67
Feb.	274·81	**−1·14**	−0·88	−0·81	−0·89	−0·87	−0·84	−0·93	−0·73	−0·36	+0·01	+0·71	+1·32	+1·57	+1·90	**+1·98**	+1·45	+1·04	+0·51	+0·19	−0·22	−0·47	−0·74	−0·83	−0·95
Mar.	275·87	−1·74	−1·78	−1·92	−1·94	**−2·04**	−1·92	−1·78	−0·95	+0·06	+1·08	+2·02	+2·43	+2·88	+3·02	**+3·11**	+2·57	+1·74	+0·71	−0·09	−0·77	−0·93	−1·06	−1·17	−1·56
April	275·95	−2·97	−3·41	−3·57	−3·70	**−3·73**	−3·40	−2·13	−0·15	+1·52	+2·50	+3·24	+3·69	+3·84	+4·13	**+4·22**	+3·47	+2·90	+2·22	+0·72	−0·52	−1·55	−2·08	−2·48	−2·77
May	281·62	−2·81	−3·12	−3·45	**−3·73**	−3·61	−2·60	−1·02	+0·18	+1·18	+1·83	+2·33	+2·77	+2·98	**+3·36**	+3·28	+3·12	+2·84	+2·33	+1·35	+0·15	−0·96	−1·72	−2·02	−2·51
June	283·93	−2·77	−2·99	−3·27	**−3·49**	−2·90	−1·80	−0·55	+0·32	+1·27	+1·86	+2·09	+2·52	+2·80	+3·04	**+3·13**	+3·10	+2·71	+2·03	+1·08	−0·03	−1·20	−1·89	−2·43	−2·57
July	283·70	−2·43	−2·62	−2·90	**−3·00**	−2·81	−1·95	−0·80	0·00	+0·85	+1·56	+1·79	+2·27	+2·46	+2·61	**+2·72**	+2·69	+2·44	+1·88	+1·37	+0·34	−0·81	−1·40	−1·85	−2·23
Aug.	283·95	−1·73	−1·87	−2·13	−2·35	**−2·56**	−2·19	−1·34	−0·29	+0·66	+1·23	+1·80	+2·13	+2·46	**+2·54**	+2·43	+2·14	+1·85	+1·37	+0·78	−0·10	−0·72	−1·06	−1·35	−1·69
Sept.	282·63	−2·20	**−2·36**	−2·33	−2·24	−2·30	−2·34	−1·78	−0·69	+0·68	+1·39	+2·08	+2·46	+2·81	**+3·29**	+2·90	+2·63	+2·08	+1·29	+0·27	−0·32	−0·81	−1·00	−1·45	−1·98
Oct.	279·30	−1·26	−1·58	−1·78	−1·90	−2·00	−2·08	**−2·10**	−1·68	−0·21	+1·34	+2·26	+2·88	**+3·15**	+3·05	+2·85	+2·16	+1·04	+0·23	−0·38	−0·54	−0·77	−0·78	−0·87	−1·11
Nov.	277·84	−0·58	−0·58	−0·75	−0·92	−1·07	−1·20	**−1·38**	−1·24	−0·90	+0·04	+0·96	+1·51	**+1·94**	+1·86	+1·49	+0·89	+0·48	+0·29	+0·20	−0·04	−0·10	−0·14	−0·22	−0·53
Dec.	276·89	**−0·62**	−0·49	−0·44	−0·50	−0·40	−0·32	−0·32	−0·30	−0·01	+0·25	+0·68	+0·85	**+0·97**	**+0·97**	+0·76	+0·52	+0·22	+0·19	−0·03	−0·14	−0·24	−0·39	−0·51	−0·61
Year	279·24	−1·72	−1·83	−1·96	**−2·06**	−2·02	−1·72	−1·17	−0·45	+0·42	+1·13	+1·72	+2·15	+2·42	**+2·58**	+2·48	+2·09	+1·61	+1·07	+0·42	−0·25	−0·78	−1·09	−1·33	−1·59

ABSOLUTE EXTREMES OF TEMPERATURE FOR EACH DAY.

Maximum and minimum for the interval 0h. to 24h., Greenwich Mean Time.

126. Eskdalemuir : Louvred Hut : $h_t = 0{\cdot}9$ metre. **1922.**

Month	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	**84·7**	78·3	78·9	71·7	80·4	73·6	77·7	67·5	79·1	71·8	**98·1**	79·6	86·4	81·0	87·1	81·3	86·0	78·8	86·0	81·1	80·0	73·0	81·9	76·7
2	84·1	73·3	78·5	73·7	80·8	74·3	79·5	69·4	83·5	69·2	91·9	79·9	86·2	81·2	86·9	81·5	87·7	83·3	85·3	74·7	77·4	72·8	82·1	71·1
3	75·1	71·9	78·2	73·3	83·6	75·6	79·1	69·9	82·2	76·8	87·6	78·4	87·5	79·8	89·2	**74·1**	88·9	82·9	84·8	73·4	76·5	72·3	80·0	70·2
4	73·4	70·8	73·4	68·4	81·0	73·8	79·3	69·4	81·8	76·7	86·7	76·1	87·4	82·3	89·9	77·9	**92·0**	80·9	87·2	84·4	76·8	69·9	82·0	78·4
5	75·8	71·6	71·3	66·9	81·0	74·6	80·4	65·4	83·8	75·8	85·7	79·0	86·3	81·4	88·8	82·1	90·7	79·4	87·7	82·5	76·5	70·8	83·1	77·2
6	76·8	74·0	71·9	66·6	79·6	75·7	79·9	**65·0**	81·4	74·7	90·0	79·2	86·0	79·3	**91·7**	81·3	90·0	78·2	86·0	74·1	81·2	76·5	79·3	75·0
7	79·3	74·3	74·8	71·2	78·6	75·1	81·8	69·8	86·2	76·8	96·4	78·0	85·6	79·8	88·1	80·2	88·8	78·0	85·9	72·0	83·1	76·1	81·3	76·0
8	81·0	75·4	75·1	73·2	78·4	72·3	79·6	70·4	89·8	76·8	95·7	81·0	84·0	77·2	84·0	81·8	89·0	76·5	85·1	72·8	80·3	74·1	79·6	76·1
9	83·5	75·8	76·4	72·5	78·8	73·6	79·3	68·9	87·3	74·8	92·8	84·3	88·3	82·1	86·5	78·3	85·0	73·3	83·0	79·6	78·3	73·2	80·5	**69·1**
10	77·7	74·7	78·6	69·1	79·5	71·9	80·1	69·2	83·0	74·5	90·5	79·3	88·0	79·4	84·9	76·8	87·4	72·3	82·9	76·9	82·7	77·5	77·3	69·8
11	76·9	72·8	78·8	**66·1**	83·5	73·9	81·9	70·2	83·4	75·2	89·3	75·1	86·8	74·8	87·3	76·1	84·5	79·0	82·9	72·1	81·1	70·0	78·9	73·2
12	76·7	66·0	76·9	68·3	84·9	75·4	81·0	69·6	80·3	70·6	90·2	76·8	86·1	**73·9**	85·7	76·0	83·9	82·4	84·3	78·8	81·0	70·1	82·7	77·6
13	72·9	66·5	74·9	69·4	82·9	73·7	82·0	75·0	84·8	**68·2**	84·3	**74·8**	88·1	82·4	88·3	78·8	84·5	81·7	86·9	78·1	82·3	80·0	**83·2**	81·5
14	74·0	67·0	76·6	69·9	**85·0**	72·0	81·0	74·6	83·5	78·3	86·3	75·9	90·0	78·1	86·8	77·9	87·3	82·6	90·0	75·7	**84·7**	77·1	83·0	72·0
15	71·9	69·9	79·5	73·7	81·1	71·7	82·7	77·7	84·2	80·6	87·8	78·8	89·7	74·7	87·0	81·1	84·5	73·1	**91·4**	74·3	82·8	73·0	74·5	69·5
16	72·7	70·2	79·8	71·3	84·0	70·2	80·7	72·7	82·0	80·3	86·6	77·0	88·6	83·1	87·9	84·5	86·7	71·9	85·3	74·7	81·9	77·6	76·0	71·7
17	72·1	**59·8**	75·0	70·1	79·7	73·8	80·6	70·6	85·0	81·2	85·8	77·5	88·6	78·1	86·7	82·4	85·1	75·5	84·9	78·6	83·1	80·0	77·1	74·3
18	75·4	60·4	77·5	71·8	83·3	71·8	81·4	68·8	84·9	79·6	85·4	78·7	**90·6**	76·1	88·3	80·8	83·1	72·0	82·5	76·4	82·1	78·5	76·2	73·6
19	74·9	70·8	79·7	72·1	76·4	73·5	84·9	66·6	86·0	77·0	88·4	84·6	88·5	79·8	89·4	78·0	88·3	81·9	81·9	76·1	82·0	75·0	79·0	74·6
20	75·0	70·0	75·3	72·1	77·9	70·9	**88·5**	67·9	84·0	74·5	87·0	76·9	87·0	83·3	85·7	83·1	86·5	80·5	80·6	77·7	82·5	70·4	76·3	73·0
21	77·3	73·7	75·7	72·9	77·0	71·1	85·3	70·1	87·2	83·0	84·0	74·9	88·9	82·3	87·0	83·0	81·9	79·4	81·6	76·8	78·8	76·8	78·6	72·8
22	78·6	74·0	78·7	73·8	76·5	70·6	83·3	72·3	87·8	80·0	84·0	81·4	89·9	77·2	88·0	81·8	87·9	76·4	80·0	74·9	80·2	75·6	79·7	73·8
23	76·1	73·2	**82·0**	76·6	78·9	68·0	83·2	69·9	89·0	79·0	89·7	79·4	87·1	78·0	87·3	80·8	86·0	73·0	80·8	74·9	82·3	77·4	78·9	76·2
24	73·3	68·4	81·8	79·3	74·5	68·5	81·4	75·7	88·1	75·8	85·1	78·3	85·9	78·0	84·0	79·3	82·5	78·3	81·0	74·8	77·0	66·7	77·9	74·2
25	76·0	68·7	**82·0**	76·5	79·3	71·9	84·0	73·8	91·2	77·1	87·2	78·2	87·2	78·1	87·7	80·0	87·0	81·7	80·0	70·9	80·0	**64·8**	80·3	75·9
26	76·0	72·7	81·6	75·0	78·8	73·6	81·2	72·3	89·3	80·4	86·4	80·0	87·2	78·6	86·4	77·3	86·7	83·0	79·1	73·9	81·3	71·0	76·7	75·4
27	74·5	72·0	78·9	73·3	80·4	72·7	82·2	74·9	87·9	75·6	84·9	80·5	89·4	78·6	87·2	83·6	87·9	83·1	78·0	72·0	79·5	71·5	77·3	71·1
28	77·4	74·3	79·3	74·1	78·1	70·8	81·5	69·7	89·4	74·5	86·9	80·0	86·8	75·2	91·1	81·0	85·0	79·9	76·9	73·1	83·4	78·7	75·9	71·7
29	78·6	75·3	—	—	78·0	**67·3**	81·0	66·3	93·6	75·7	85·9	79·0	90·2	80·9	87·6	83·8	85·4	72·1	77·7	74·1	83·1	78·2	76·3	73·0
30	77·5	74·5	—	—	78·8	72·0	84·2	70·0	93·8	77·2	86·0	79·8	87·9	79·3	89·3	78·8	82·7	**71·8**	78·9	73·9	80·6	77·4	76·9	73·5
31	79·0	72·0	—	—	76·0	68·4	—	—	**95·9**	81·7	—	—	86·1	81·0	87·8	81·0	—	—	79·5	**67·9**	—	—	76·0	70·8
Mean	76·7	71·4	77·5	71·9	79·9	72·3	81·6	70·5	86·1	76·6	88·2	78·7	87·6	79·2	87·5	80·1	86·4	78·1	83·2	75·5	80·7	74·2	79·0	73·8

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is printed 75·0.

Percentages, at exact hours, Greenwich Mean Time, determined as explained on page 13.

127. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulbs above ground) = 0·9 metre. **January, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	94	94	92	91	92	93	91	85	85	82	82	81	82	82	85	84	84	82	79	82	85	84	85	83	86·0	**10·4**
2	79	82	78	84	80	91	85	80	78	66	67	58	77	82	75	73	74	68	70	69	75	80	77	77	76·2	6·7
3	74	73	73	80	77	80	82	79	76	70	63	58	53	60	68	60	68	76	70	74	68	68	67	66	70·4	4·3
4	65	64	66	66	70	73	71	70	65	72	67	80	92	70	70	65	65	66	66	66	66	67	66	68	**69·0**	3·9
5	68	67	65	67	67	67	65	69	70	69	68	67	66	66	70	77	77	81	85	92	95	95	95	90	74·5	4·7
6	91	93	93	95	100	95	90	95	97	97	99	100	99	99	97	97	97	100	99	99	99	99	97	99	96·7	7·1
7	99	95	95	97	99	97	96	93	97	88	83	71	72	74	83	91	99	90	93	90	97	97	94	92	91·1	7·3
8	91	96	96	97	96	94	71	80	83	81	78	76	71	73	79	79	84	89	87	89	88	87	89	92	85·3	7·5
9	99	91	95	94	97	99	96	99	96	97	96	99	96	92	85	81	83	82	79	76	81	80	88	81	90·3	8·6
10	85	87	84	86	86	84	83	83	89	84	84	76	84	80	85	84	81	81	81	81	82	82	78	84	83·0	6·5
11	80	82	82	84	82	82	83	86	82	84	85	85	79	80	82	79	77	75	76	75	73	75	77	80	80·3	5·6
12	82	82	81	80	80	79	85	80	80	77	74	69	68	74	80	89	93	96	97	97	98	99	99	99	84·5	4·8
13	99	99	99	99	99	99	99	98	97	97	95	89	88	90	89	89	94	97	99	99	99	99	99	99	96·3	5·1
14	99	99	99	99	99	99	98	98	96	90	90	90	90	90	92	97	99	100	98	97	97	96	96	93	96·0	5·3
15	90	88	86	84	84	83	80	78	80	90	96	98	98	98	99	99	99	99	99	99	99	100	100	100	92·6	4·9
16	100	99	98	97	96	95	94	94	94	94	93	90	90	92	97	98	97	97	97	97	97	98	98	98	95·9	5·4
17	96	96	94	92	92	89	88	88	88	86	85	85	80	85	87	89	91	93	93	93	94	95	95	95	90·4	**3·6**
18	97	98	98	98	98	98	98	90	96	99	98	97	95	96	97	99	95	97	97	97	97	99	99	97	**97·0**	5·2
19	96	95	92	90	92	93	95	98	99	100	100	100	100	99	95	92	95	93	93	95	88	89	88	89	94·6	6·0
20	85	85	88	92	92	93	92	93	94	95	94	93	87	87	87	89	90	93	89	83	78	83	88	88	89·5	5·5
21	87	88	88	85	85	87	90	90	90	90	92	92	95	92	92	92	91	94	92	86	87	90	95	97	90·1	6·7
22	94	94	94	96	96	95	95	94	90	89	88	86	83	83	79	84	87	87	86	85	88	86	87	88	89·1	6·8
23	85	88	90	89	89	91	92	89	89	88	86	87	88	88	88	89	94	92	91	78	76	72	71	70	86·1	6·0
24	69	68	65	65	64	65	72	63	65	65	68	72	72	80	88	82	85	83	88	85	92	90	92	90	75·7	4·0
25	90	88	87	84	86	85	83	85	88	91	94	94	92	89	88	88	90	87	88	86	91	88	89	90	88·4	5·3
26	90	90	96	95	94	92	93	93	95	90	94	94	93	96	91	91	90	88	89	87	95	97	97	92	92·5	6·5
27	88	86	87	88	88	90	91	93	92	92	94	95	91	88	88	92	90	91	89	90	90	92	95	98	90·5	5·6
28	97	95	93	91	92	92	92	93	91	87	88	85	88	86	91	90	90	91	94	94	92	88	90	90	91·0	6·7
29	90	87	90	90	92	92	91	92	90	92	92	93	93	98	94	94	94	98	95	97	95	94	92	98	92·9	7·4
30	97	96	96	96	98	100	100	98	100	100	98	97	95	92	98	96	96	95	93	92	90	94	94	92	96·1	7·2
31	94	94	94	95	95	94	97	97	97	97	95	93	91	86	87	93	95	93	96	91	96	94	94	94	93·8	7·3
Mean ...	88·7	88·3	88·2	88·6	88·9	89·2	88·3	87·8	88·0	87·1	86·7	85·5	**85·4**	**85·4**	86·6	87·2	88·5	88·8	88·7	87·8	88·6	88·9	**89·4**	89·3	87·9	†6·1
Vapour Pressure* ...	mb. 5·8	mb. 5·8	mb. 5·9	mb. 5·9	mb. 6·0	mb. 6·0	mb. 6·0	mb. 6·0	mb. 6·0	mb. 6·1	mb. 6·1	mb. 6·2	mb. **6·3**	mb. 6·2	mb. 6·2	mb. 6·0	mb. 6·0	mb. 5·9	mb. 5·8	mb. **5·6**	mb. **5·6**	mb. 5·7	mb. 5·7	mb. 5·7	mb. *5·9	

128. Eskdalemuir : Louvred Hut : h_t = 0·9 metre. **February, 1922.**

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	96	100	98	98	87	84	86	90	90	82	84	80	79	71	79	76	82	85	82	98	96	96	98	100	88·1	6·3
2	98	98	95	95	86	86	94	93	93	92	91	95	97	92	97	92	94	96	94	96	96	97	97	95	94·2	7·3
3	95	94	92	92	94	94	95	95	94	92	94	94	92	90	89	90	90	90	93	91	90	92	88	93	92·3	7·1
4	91	95	93	89	86	82	83	85	83	81	82	83	84	83	90	88	86	84	85	85	85	87	88	88	86·2	4·9
5	88	90	92	90	92	93	93	94	94	87	87	90	94	95	95	95	94	95	93	94	95	93	92	82	92·1	4·4
6	82	80	85	90	92	94	94	94	90	84	81	80	77	77	78	80	81	82	89	93	94	94	97	97	86·6	**4·2**
7	100	98	98	98	96	95	95	91	90	89	87	86	87	87	89	89	89	90	91	84	74	76	74	76	89·1	5·4
8	75	77	79	82	82	86	88	93	93	95	95	94	95	95	98	98	98	98	98	98	96	94	88	93	90·8	5·9
9	90	89	92	90	87	85	90	92	91	86	84	80	74	76	71	67	65	65	66	69	72	74	70	68	79·4	5·3
10	61	54	63	60	62	65	64	65	67	58	51	55	62	63	60	67	74	80	86	87	87	86	89	87	**68·5**	4·3
11	90	92	94	94	95	96	95	95	95	96	80	68	55	59	68	68	73	70	73	74	76	81	82	81	81·4	4·5
12	83	79	84	88	86	86	87	78	66	70	67	66	68	70	74	78	77	90	93	98	96	96	96	99	81·9	4·9
13	98	99	100	98	94	90	92	92	94	94	95	96	97	83	77	77	83	85	85	80	82	84	90	92	90·0	5·0
14	87	88	93	98	94	92	89	88	90	91	91	87	87	85	85	85	85	84	86	93	89	94	93	89	89·4	5·8
15	90	76	79	93	94	96	99	97	99	95	94	84	76	76	78	82	80	86	86	90	92	98	96	98	88·7	6·7
16	96	95	98	98	100	99	100	100	99	99	95	97	94	93	89	90	90	86	90	94	96	97	97	94	**95·4**	7·1
17	94	94	94	95	94	94	92	84	82	92	97	100	98	96	95	95	100	98	94	91	89	86	85	88	92·9	5·9
18	82	86	91	98	85	84	84	85	87	91	90	85	95	78	74	71	81	80	79	77	80	73	76	86	83·3	5·7
19	91	91	91	93	94	94	99	93	99	97	99	95	97	95	94	94	84	80	81	82	88	85	85	85	91·1	6·7
20	88	87	89	89	88	88	88	89	85	88	80	76	75	75	75	85	94	89	88	88	86	96	99	94	86·4	5·6
21	97	98	96	96	94	95	98	94	94	94	93	89	85	84	85	79	75	88	93	94	91	93	85	80	90·7	6·0
22	89	88	89	95	93	93	95	94	86	92	87	72	73	73	70	66	80	87	90	94	95	97	95	95	86·7	6·5
23	95	95	86	94	90	82	85	80	86	88	90	93	86	82	77	85	88	91	94	95	96	97	97	96	89·5	8·8
24	97	97	99	97	99	97	97	99	99	97	99	99	97	96	93	93	89	91	88	87	90	87	89	88	94·5	**9·9**
25	86	85	85	84	81	79	79	79	83	78	77	75	75	76	74	76	76	73	86	89	88	87	89	89	81·2	8·3
26	90	92	91	91	87	88	90	94	94	90	90	84	75	67	71	70	89	77	84	78	79	76	76	76	83·6	7·4
27	82	76	78	76	80	82	83	84	88	84	78	76	82	88	91	89	85	85	83	85	89	91	91	94	83·8	6·1
28	97	93	91	96	96	97	95	93	83	80	78	78	78	76	71	76	83	84	88	87	88	89	92	94	86·8	6·9
Mean ...	89·6	88·8	89·8	**91·3**	89·6	89·1	90·3	89·6	89·1	87·9	86·3	84·2	83·4	**81·5**	81·7	82·2	84·5	85·3	87·1	88·3	88·4	89·1	89·1	89·2	87·3	†6·2
Vapour Pressure* ...	mb. **5·7**	mb. 5·8	mb. 5·8	mb. 5·9	mb. 5·8	mb. 5·8	mb. 5·8	mb. 5·9	mb. 6·0	mb. 6·1	mb. 6·3	mb. 6·4	mb. **6·5**	mb. **6·5**	mb. **6·5**	mb. 6·3	mb. 6·3	mb. 6·2	mb. 6·2	mb. 6·1	mb. 6·0	mb. 5·9	mb. 5·9	mb. 5·8	mb. ‡6·1	
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

NOTE.—On January 3rd, 4th, 5th, 11th to 21st, 24th and 25th, the wet bulb was frozen at nearly all hours. The humidity values for these days been derived by reference to the hair hygrograph records. The behaviour of this instrument was not altogether satisfactory during this period and, therefore, the derived values of humidity are not entirely reliable.

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages, at exact hours, Greenwich Mean Time, determined as explained on page 13.

129. Eskdalemuir : Louvred Hut : h_t (Height of thermometer bulbs above ground) = 0·9 metre. **March, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	92	92	86	89	87	84	82	86	92	84	81	69	71	72	65	75	84	81	84	84	87	91	91	90	83·4	6·7
2	85	84	82	81	82	82	84	87	87	81	77	71	64	65	65	66	69	73	85	89	95	89	89	87	80·0	6·6
3	90	94	94	95	96	98	99	100	99	95	95	92	72	67	67	68	70	80	88	91	94	94	96	97	88·6	**8·5**
4	96	94	96	97	97	97	90	88	81	73	67	58	57	53	52	52	54	73	77	86	91	86	89	93	79·1	6·8
5	96	91	87	92	92	91	92	94	97	97	97	97	96	93	92	95	95	90	92	89	83	80	75	79	91·2	8·4
6	80	81	80	84	81	93	81	85	85	76	80	81	83	85	86	89	88	94	90	87	87	88	85	87	84·7	7·3
7	87	90	94	89	87	90	89	85	87	88	82	78	68	80	88	92	92	91	91	89	89	88	88	90	87·1	6·8
8	89	89	86	85	88	92	95	95	100	85	76	85	88	89	85	75	74	83	84	85	87	83	88	88	86·5	6·4
9	90	94	91	90	90	90	90	94	90	86	87	84	82	68	78	87	82	79	75	69	69	63	63	64	82·0	5·8
10	66	69	69	68	70	70	70	70	67	66	67	66	62	62	62	63	82	78	67	84	81	87	89	94	71·0	5·0
11	95	94	97	94	94	86	86	83	80	70	69	68	62	67	72	65	73	76	78	76	80	83	82	82	79·9	7·5
12	89	89	90	95	90	94	94	92	86	71	72	67	71	72	72	75	89	94	90	92	92	93	92	95	85·4	8·0
13	94	94	97	99	97	95	95	94	94	87	84	75	66	64	57	58	59	72	78	81	82	81	81	83	82·2	6·9
14	78	76	69	71	75	69	65	53	51	47	48	51	48	52	55	59	65	67	72	80	83	81	80	84	**65·8**	5·9
15	90	90	88	88	84	86	87	88	80	87	82	95	85	80	72	68	73	82	82	87	86	89	90	99	84·6	6·3
16	99	99	99	99	99	99	87	76	74	69	68	77	71	69	75	83	92	96	95	95	99	99	93	96	87·9	7·1
17	95	95	97	97	99	94	96	94	94	90	88	84	81	80	78	80	84	89	90	90	95	91	91	92	90·3	6·9
18	92	93	93	93	94	94	92	91	85	79	78	73	68	59	59	60	67	74	85	90	95	93	91	95	83·0	6·3
19	93	96	95	95	96	96	96	99	96	95	94	90	87	89	87	97	91	91	89	89	91	90	84	81	92·3	6·3
20	74	76	75	72	68	67	66	62	53	53	53	48	46	46	55	77	87	89	74	74	78	76	78	76	67·7	**4·3**
21	79	77	78	78	85	80	78	85	84	80	55	47	49	46	48	62	90	90	87	92	94	95	94	94	76·6	4·8
22	95	94	94	93	94	94	88	85	80	76	70	65	76	86	95	84	86	94	92	92	92	95	93	93	87·8	5·5
23	93	92	92	90	86	84	84	80	75	60	55	48	48	48	50	52	52	58	70	85	90	93	94	95	73·9	4·7
24	96	98	98	97	97	96	96	96	96	97	97	97	97	97	97	96	95	100	100	97	97	96	97	96	**96·9**	5·7
25	96	96	96	95	95	91	91	91	85	82	77	67	68	67	68	81	83	75	83	91	95	93	93	94	85·6	6·0
26	93	90	90	90	89	86	87	88	83	85	72	73	68	64	74	72	67	70	84	82	73	81	84	78	80·5	5·9
27	76	74	76	76	80	76	75	73	68	72	70	63	59	62	54	57	60	76	79	95	92	93	91	90	74·2	5·6
28	90	88	86	85	91	88	89	89	93	89	82	82	81	80	70	61	63	70	78	85	90	90	92	92	83·5	5·6
29	90	91	93	95	96	96	88	74	68	59	52	54	50	48	50	60	65	70	79	81	83	88	92	92	75·6	4·7
30	93	88	88	94	94	93	83	73	70	65	65	65	61	57	60	59	58	78	89	98	96	96	96	96	79·7	5·7
31	94	93	93	90	90	92	91	80	70	65	58	63	63	67	75	75	70	80	85	89	90	95	95	95	81·6	4·5
Mean ..	89·2	89·1	88·7	88·6	89·1	88·5	86·7	84·8	82·3	77·7	74·1	72·0	69·3	**68·8**	69·8	72·3	76·1	81·1	83·6	86·9	88·3	88·4	88·3	**89·3**	82·2	†6·2
Vapour Pressure* ..	mb. 5·9	mb. 5·9	mb. 5·8	mb. 5·8	mb. 5·8	mb. 5·8	mb. **5·7**	mb. 5·9	mb. 6·2	mb. 6·3	mb. 6·4	mb. 6·4	mb. 6·3	mb. 6·3	mb. **6·5**	mb. 6·4	mb. 6·4	mb. 6·3	mb. 6·2	mb. 6·1	mb. 6·1	mb. 6·1	mb. 6·0	mb. 5·9	mb. ‡6·1	

130. Eskdalemuir : Louvred Hut : h_t = 0·9 metre. **April, 1922.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	96	96	95	94	94	94	88	82	70	63	52	45	47	46	45	50	55	62	68	76	82	84	72	68	72·4	**4·4**
2	68	72	77	85	92	95	90	78	68	63	58	58	59	58	57	62	66	72	83	93	94	94	95	95	75·8	5·2
3	96	96	96	97	97	97	96	90	80	65	65	70	69	70	88	69	82	79	82	85	85	87	91	93	84·4	5·4
4	92	92	92	92	80	80	71	70	67	62	60	59	55	59	52	65	83	90	92	92	87	95	99	92	78·3	5·1
5	95	98	98	98	97	97	96	95	90	78	68	57	59	51	57	54	71	74	92	92	97	96	96	96	83·3	4·9
6	96	96	94	95	95	96	95	92	70	61	54	60	54	75	75	84	83	85	91	99	99	99	99	99	85·2	5·1
7	99	99	99	99	99	99	98	97	80	70	63	58	51	48	46	47	45	57	81	85	93	94	93	96	79·1	5·6
8	96	95	95	96	92	93	93	95	90	73	54	57	97	90	77	86	82	77	84	93	96	96	95	96	87·4	5·7
9	96	92	87	86	89	87	81	77	71	65	59	55	54	53	51	58	59	62	71	75	80	90	92	92	74·3	5·0
10	91	92	93	93	93	94	95	96	90	73	68	62	67	60	62	62	65	76	76	92	97	96	93	95	82·5	6·0
11	95	95	95	95	95	95	94	92	84	68	63	48	49	51	48	53	49	53	73	85	92	94	95	97	77·4	5·7
12	95	96	96	95	95	95	90	84	80	78	64	71	67	61	61	62	65	89	90	92	95	96	96	95	83·7	6·3
13	88	84	85	84	84	84	82	79	76	74	72	63	68	71	50	71	79	70	79	87	91	93	99	100	79·6	6·5
14	100	100	100	97	97	95	97	99	93	93	99	99	96	91	96	96	96	96	94	94	93	93	90	88	**95·8**	7·3
15	78	75	86	87	90	93	91	89	94	94	90	86	82	70	63	61	65	68	86	85	88	87	85	87	82·5	**8·3**
16	86	84	82	79	76	76	73	71	73	78	64	71	61	63	64	61	75	62	68	72	69	69	71	73	72·0	5·8
17	74	76	78	73	71	72	65	60	55	50	51	51	46	57	54	55	55	60	67	68	73	76	82	82	**64·4**	4·8
18	83	83	84	90	93	90	92	65	58	55	54	52	52	52	55	54	57	63	68	82	93	96	98	98	73·3	5·3
19	98	98	98	98	98	96	95	92	72	70	60	49	48	51	49	46	46	57	74	79	82	88	92	97	76·4	5·8
20	97	97	98	98	98	96	94	85	68	56	47	46	45	43	45	45	51	52	61	76	82	87	85	96	72·9	6·5
21	96	96	96	96	96	96	95	93	92	90	80	64	54	58	57	55	54	66	72	79	80	80	83	91	80·1	7·1
22	86	86	86	83	81	76	80	75	68	55	55	47	51	49	56	66	69	64	75	78	80	82	82	85	71·6	6·7
23	88	91	91	90	90	90	90	88	76	67	79	73	57	52	65	80	84	83	76	75	84	81	85	85	80·0	6·2
24	88	91	85	85	84	90	84	80	77	83	76	75	77	72	67	68	65	74	72	78	80	81	85	95	79·5	6·7
25	94	94	86	86	84	83	79	73	69	67	54	56	50	52	60	63	82	80	76	81	83	85	85	85	75·5	6·5
26	82	85	85	83	85	86	85	75	77	75	80	74	73	66	65	81	72	81	84	84	90	83	84	83	80·0	6·2
27	90	85	83	83	85	87	82	80	74	64	66	68	67	63	57	84	84	76	80	77	75	75	73	73	76·5	6·3
28	75	73	74	71	71	72	81	77	63	67	55	52	60	64	60	60	64	67	70	75	86	90	94	96	71·1	5·7
29	98	98	98	98	98	92	82	73	67	66	65	64	66	74	76	84	81	78	81	84	90	94	96	98	83·3	5·8
30	98	98	98	97	97	90	80	75	70	77	56	60	61	53	53	86	73	76	87	87	90	87	86	86	80·3	6·5
Mean. ..	**90·5**	90·4	90·3	90·1	89·9	89·5	87·1	82·6	75·4	70·0	64·4	61·7	61·4	60·8	**60·4**	65·6	68·6	71·6	78·4	83·3	86·9	88·3	89·0	90·4	78·6	†5·9
Vapour Pressure.* ..	mb. 5·5	mb. 5·3	mb. 5·2	mb. 5·2	mb. **5·1**	mb. 5·3	mb. 5·6	mb. 6·1	mb. **6·3**	mb. **6·3**	mb. 6·1	mb. 6·0	mb. 6·0	mb. 6·1	mb. 6·1	mb. **6·3**	mb. **6·3**	mb. **6·3**	mb. 6·2	mb. 6·1	mb. 5·9	mb. 5·8	mb. 5·7	mb. 5·6	mb. ‡5·8	
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages, at exact hours, Greenwich Mean Time, determined as explained on page 13.

131. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulbs above ground) = 0·9 metre. **May, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour* Pressure.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	88	86	90	87	88	91	86	90	88	85	83	83	88	95	87	89	89	83	89	89	90	87	87	81	87·6	6·6
2	96	100	100	100	91	79	81	79	80	68	63	56	62	73	65	67	60	63	71	81	88	87	90	90	78·5	6·3
3	89	90	93	94	95	95	95	94	89	86	85	88	88	89	89	88	80	70	65	70	75	77	87	80	85·7	7·1
4	77	80	82	87	87	86	80	75	60	68	86	80	65	65	70	68	84	84	80	73	74	75	75	77	76·6	7·2
5	79	80	82	84	89	90	92	93	93	85	77	"66	82	65	73	90	82	65	66	74	75	80	83	84	80·2	7·7
6	86	86	90	89	91	86	90	94	96	88	96	96	96	95	97	96	96	93	96	97	100	99	100	97	93·7	9·3
7	97	97	99	99	99	100	99	100	100	99	99	96	95	90	84	88	76	75	79	85	86	100	90	95	92·8	10·2
8	100	100	99	100	100	100	100	95	82	72	70	72	74	68	75	79	76	77	73	72	78	78	78	76	83·5	9·8
9	69	71	79	80	87	85	66	61	58	54	52	49	58	54	54	53	58	64	67	77	76	80	85	84	67·4	7·3
10	90	87	86	92	88	86	84	74	66	59	57	59	60	57	57	59	59	60	61	68	78	76	76	77	71·6	6·7
11	76	77	82	83	90	78	71	78	52	54	50	49	53	53	53	56	61	66	67	79	84	86	87	91	69·5	6·5
12	93	90	94	92	88	84	77	75	66	54	51	46	55	57	61	54	57	65	67	77	84	85	91	90	73·1	**5·8**
13	92	91	91	91	91	87	80	67	59	63	65	57	49	46	45	49	49	59	60	65	75	79	84	86	70·1	6·2
14	87	84	82	82	87	85	72	69	68	75	70	67	69	69	71	67	74	73	83	81	87	88	89	92	77·8	8·2
15	95	95	92	92	93	94	89	89	89	82	75	76	86	78	82	83	89	89	89	97	94	94	93	92	88·6	10·0
16	96	94	93	93	96	99	95	95	95	90	92	93	92	92	92	93	93	95	97	97	94	94	96	99	94·2	10·3
17	99	97	97	99	99	100	99	99	93	99	97	99	97	82	90	93	93	92	99	92	93	99	97	96	**95·9**	11·1
18	97	95	89	88	85	86	87	83	77	76	76	75	78	77	80	73	75	74	78	78	83	85	84	87	82·1	9·4
19	86	86	86	87	87	83	85	80	77	77	78	74	67	58	57	53	54	58	61	63	71	78	82	81	73·8	7·8
20	81	84	84	90	83	83	76	68	72	71	79	90	92	92	96	97	99	99	96	99	99	96	96	97	88·0	9·4
21	100	99	100	99	97	99	100	99	96	97	96	91	93	95	88	88	93	93	94	94	95	93	95	92	95·4	**13·5**
22	98	96	100	100	100	100	99	100	97	82	74	76	72	66	70	74	66	78	82	75	91	88	89	92	86·0	11·6
23	91	94	94	93	90	84	78	80	94	87	88	90	88	87	83	82	83	85	94	92	96	93	93	93	88·8	11·3
24	96	88	90	91	89	90	80	71	66	60	59	59	59	56	56	56	47	61	70	82	83	75	76	79	72·8	8·9
25	85	89	91	87	92	85	77	68	61	59	58	55	56	55	56	70	82	80	71	81	80	82	88	92	74·7	10·5
26	97	95	97	97	96	96	96	92	95	70	65	53	48	50	59	55	57	56	61	75	83	88	88	86	77·4	10·2
27	83	85	91	95	90	80	70	65	65	65	58	52	53	51	51	52	51	53	55	67	74	64	73	80	67·8	8·1
28	85	84	88	83	84	82	84	66	68	66	64	60	67	63	66	70	69	80	78	82	80	87	76	75	75·4	9·3
29	79	82	89	83	84	76	66	66	60	60	58	55	60	59	63	70	65	64	66	75	80	85	88	90	71·5	10·7
30	90	90	89	89	89	89	88	87	80	72	63	53	48	46	49	52	55	57	62	63	74	78	79	78	71·9	11·0
31	84	84	87	86	83	78	60	55	50	52	51	50	53	48	47	50	52	56	63	70	79	79	83	88	**66·0**	12·3
Mean ...	89·1	88·9	90·5	**90·7**	90·6	88·3	83·9	80·9	77·2	73·4	72·1	69·8	71·1	**68·7**	69·9	71·4	71·7	73·1	75·5	79·7	83·8	85·0	86·4	87·0	79·9	†9·0
Vapour* Pressure ...	mb. 8·1	mb. 7·9	mb. 7·9	mb. **7·8**	mb. **7·8**	mb. 8·2	mb. 8·7	mb. 9·1	mb. 9·3	mb. 9·2	mb. 9·3	mb. 9·3	mb. 9·6	mb. 9·6	mb. 9·7	mb. **9·8**	mb. 9·7	mb. 9·5	mb. 9·2	mb. 9·0	mb. 8·8	mb. 8·5	mb. 8·4	mb. 8·2	mb. ‡8·9	

132. Eskdalemuir : Louvred Hut : h_t = 0·9 metre. **June, 1922.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	91	83	90	90	88	87	72	63	62	50	48	46	47	41	51	60	62	71	76	78	84	88	90	90	71·1	**12·4**
2	87	87	90	92	88	87	75	74	62	68	61	64	67	63	55	69	69	66	66	67	79	81	82	80	74·3	11·0
3	82	81	77	74	77	76	71	66	59	58	63	56	59	46	51	53	55	58	65	67	77	78	80	80	67·0	8·0
4	84	78	81	81	79	79	75	72	72	72	60	59	59	58	64	62	62	69	69	72	73	80	71	74	71·2	8·4
5	76	75	77	76	74	73	81	71	69	52	67	59	63	62	62	61	66	67	69	69	75	82	75	76	69·8	8·6
6	74	77	81	84	75	75	71	59	66	62	58	56	54	55	60	61	61	64	66	71	84	84	88	86	69·5	9·7
7	87	86	86	86	84	83	72	66	48	51	53	50	47	46	47	46	46	48	48	74	75	78	80	85	65·5	11·3
8	79	81	86	86	84	82	68	58	49	51	50	48	46	50	51	40	41	53	64	62	69	78	77	84	64·1	12·2
9	74	73	68	78	76	63	67	66	53	43	46	51	52	55	59	61	55	62	72	77	80	89	89	94	66·6	11·2
10	95	92	92	92	91	83	88	89	87	80	77	72	64	57	51	47	54	70	61	68	75	74	71	72	75·5	10·9
11	75	76	76	84	79	78	63	58	49	60	49	48	55	46	64	54	50	49	49	59	68	72	78	85	**63·3**	7·8
12	87	89	91	91	89	86	86	84	76	76	84	77	79	85	75	78	76	85	81	89	87	90	94	95	84·4	11·6
13	94	96	95	89	87	87	81	83	92	92	86	99	83	68	67	65	72	65	66	70	81	81	81	81	82·0	9·3
14	70	75	75	72	70	65	61	58	61	70	55	59	53	57	58	63	64	68	66	72	80	88	86	87	67·9	**7·5**
15	86	88	87	86	85	86	84	80	73	72	57	59	60	57	59	60	65	61	75	73	78	81	82	91	73·9	9·1
16	88	81	90	80	95	93	89	80	74	81	80	80	82	78	78	71	70	68	70	70	70	77	74	72	82·1	9·7
17	74	76	75	75	71	75	69	64	65	66	81	58	59	57	61	61	66	69	77	80	79	79	77	77	70·4	7·8
18	86	80	85	83	74	74	68	57	71	78	75	85	88	93	94	100	96	94	95	89	91	90	89	90	84·1	10·4
19	89	86	90	89	90	89	89	83	84	81	77	74	72	70	70	70	69	70	77	76	83	96	98	95	81·6	12·0
20	96	96	99	99	95	95	95	96	86	97	97	94	94	94	62	58	65	70	76	73	78	88	91	92	87·0	11·3
21	87	96	90	95	96	92	86	86	74	82	77	80	71	84	79	77	76	76	80	82	86	92	95	95	84·3	9·0
22	93	93	95	91	90	86	86	90	90	87	86	83	86	79	80	89	92	90	92	95	95	96	93	92	**89·6**	10·9
23	95	93	91	92	93	95	87	88	76	78	75	72	70	66	65	73	73	77	74	73	76	80	84	86	80·6	11·1
24	84	86	92	88	92	91	90	85	83	86	91	89	88	90	75	76	79	79	81	88	89	92	84	85	86·0	10·2
25	89	88	89	92	91	89	89	84	76	73	78	67	71	77	68	67	66	69	72	75	79	79	78	78	78·7	9·2
26	80	80	78	81	76	77	72	72	65	68	66	62	60	68	67	76	72	75	85	84	92	96	88	88	76·0	9·3
27	86	80	82	79	79	72	73	73	65	78	76	76	77	88	87	87	94	95	91	92	94	92	91	92	83·2	10·0
28	88	87	86	81	85	79	72	71	63	53	61	58	52	55	57	50	52	57	59	71	76	79	82	85	69·3	8·6
29	86	82	88	94	93	94	89	81	81	63	62	78	66	55	60	54	54	58	60	70	74	76	82	86	74·4	8·5
30	92	92	97	96	96	93	82	83	86	75	79	73	86	70	71	61	62	69	75	78	85	85	89	87	81·8	9·7
Mean ...	85·1	84·4	**86·0**	85·9	84·7	83·5	78·4	74·7	70·6	70·1	69·2	67·7	67·0	66·3	65·3	**65·0**	66·1	69·1	71·9	75·5	80·4	84·0	84·0	85·3	75·8	†9·9
Vapour Pressure* ...	mb. 9·2	mb. 9·0	mb. 9·0	mb. **8·8**	mb. 9·1	mb. 9·5	mb. 9·8	mb. 9·9	mb. 10·0	mb. 10·3	mb. 10·3	mb. 10·4	mb. 10·4	mb. **10·5**	mb. 10·4	mb. 10·3	mb. 10·2	mb. 10·2	mb. 10·0	mb. 9·7	mb. 9·6	mb. 9·6	mb. 9·2	mb. 9·3	mb. ‡9·8	

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages, at exact hours, Greenwich Mean Time, determined as explained on page 13.

133. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulbs above ground) = 0·9 metre. **July, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	93	91	81	92	91	91	91	93	93	95	80	91	95	95	95	93	91	96	94	91	94	91	91	93	91·6	12·0
2	90	90	88	88	90	90	90	85	84	82	84	80	79	76	86	83	75	86	85	86	91	91	89	88	85·8	11·0
3	95	93	91	93	92	93	87	81	82	79	76	75	78	75	80	74	70	82	71	79	86	88	86	88	83·1	10·4
4	92	93	93	94	91	91	87	84	87	91	70	73	64	83	74	70	80	79	85	93	89	86	85	88	84·3	10·7
5	89	87	89	89	87	84	70	79	82	70	65	63	61	60	60	70	64	64	68	79	77	88	92	93	76·2	9·7
6	93	82	96	96	99	96	99	97	97	90	91	85	81	72	72	69	67	70	71	69	86	77	74	81	84·0	9·1
7	79	89	86	85	84	84	84	76	75	65	81	75	82	77	82	83	84	77	83	89	92	88	94	92	82·5	9·2
8	89	88	90	92	92	93	86	79	75	85	87	86	87	89	80	87	91	95	94	93	95	96	96	93	89·1	10·1
9	91	92	87	88	89	83	76	77	81	85	77	72	81	85	77	75	76	73	77	81	82	81	82	82	81·5	10·6
10	83	84	84	85	88	84	77	75	63	59	63	62	67	66	69	71	73	70	75	76	76	81	85	86	75·0	9·4
11	94	95	87	89	94	86	85	68	66	81	65	69	68	69	67	70	69	69	70	76	86	86	91	99	78·9	**8·9**
12	95	95	94	95	92	94	75	68	73	80	92	88	92	91	94	94	96	94	98	98	99	99	99	99	91·4	10·7
13	97	99	97	97	97	97	96	94	95	86	87	86	83	82	77	79	82	86	77	87	88	92	92	92	89·5	12·3
14	92	92	92	94	92	87	79	71	69	70	61	59	60	53	54	57	57	65	59	70	72	76	80	84	72·9	10·3
15	84	84	84	82	85	80	78	73	55	56	62	55	56	54	59	59	65	68	67	74	77	75	73	75	**70·2**	8·8
16	76	81	85	81	82	84	83	87	91	74	74	69	65	70	74	75	65	75	76	85	92	91	92	92	79·6	11·4
17	93	88	93	87	86	88	82	79	76	74	73	64	67	74	64	62	70	81	77	88	91	88	93	96	80·5	10·9
18	87	95	89	89	89	93	84	77	75	71	68	66	68	68	64	62	73	66	67	72	77	77	81	78	76·9	9·8
19	78	85	85	91	81	78	80	80	75	86	77	73	71	70	69	69	68	69	69	73	89	88	87	88	78·1	10·4
20	92	91	91	92	94	96	97	98	99	91	90	96	96	94	96	95	93	93	94	100	99	100	98	99	**94·9**	**13·5**
21	99	99	99	98	99	99	98	88	90	86	80	81	81	65	66	65	68	78	78	85	89	93	96	96	86·5	12·6
22	91	97	94	97	94	88	82	69	66	69	66	60	53	56	53	58	60	59	60	76	80	80	83	84	74·2	10·3
23	84	84	87	84	86	86	81	78	77	77	75	71	71	70	70	73	77	77	80	82	87	90	90	91	80·2	10·3
24	90	85	93	86	85	81	81	80	72	79	76	78	69	70	81	78	81	86	87	86	91	91	91	91	82·8	10·1
25	88	80	97	83	85	84	83	76	71	69	68	61	61	60	62	62	68	66	74	72	88	90	87	91	76·1	9·5
26	90	91	93	96	97	94	96	96	92	94	92	96	96	93	96	94	92	92	84	81	80	81	87	79	91·2	11·6
27	81	87	86	85	91	87	86	75	78	73	76	68	62	57	54	59	57	62	72	76	80	95	88	93	75·9	10·1
28	91	96	99	99	92	96	84	82	73	71	65	63	68	63	63	65	63	72	67	83	91	94	89	93	80·1	9·3
29	95	95	95	91	89	87	94	93	92	93	93	99	92	95	91	89	90	89	83	86	85	84	87	87	90·7	12·4
30	81	84	84	86	92	92	86	81	67	72	64	63	65	67	62	67	77	77	82	87	84	91	91	91	78·8	10·0
31	88	89	87	89	91	88	85	79	79	75	74	66	62	92	84	72	79	79	78	78	84	88	86	92	81·8	10·0
Mean ...	89·0	89·7	**90·2**	90·1	**90·2**	88·8	85·2	81·2	79·0	78·3	75·9	74·0	73·6	73·0	**73·4**	73·5	74·9	77·3	77·5	82·3	86·3	87·6	88·2	89·5	82·1	†10·5
Vapour Pressure* ...	mb. 9·7	mb. 9·6	mb. 9·5	mb. **9·4**	mb. 9·5	mb. 10·0	mb. 10·3	mb. 10·4	mb. 10·7	mb. 11·1	mb. 10·9	mb. 11·0	mb. 11·1	mb. **11·2**	mb. **11·2**	mb. **11·2**	mb. **11·2**	mb. **11·2**	mb. 10·8	mb. 10·7	mb. 10·5	mb. 10·2	mb. 9·9	mb 9·8	mb. ‡10·5	

134. Eskdalemuir : Louvred Hut : h_t = 0·9 metre. **August, 1922.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	88	85	85	88	88	87	81	86	85	79	87	77	80	73	70	70	79	77	76	77	83	83	85	82	81·5	10·4
2	77	78	82	84	82	81	80	75	86	80	85	76	78	67	70	87	81	77	77	87	81	88	90	89	80·6	9·9
3	89	89	93	95	98	88	90	73	74	72	65	57	59	63	63	68	74	73	82	87	89	90	93	97	79·9	9·4
4	97	94	96	96	91	89	91	80	69	66	64	66	69	62	69	71	73	81	84	83	91	89	88	90	81·4	10·9
5	90	88	92	91	93	89	90	85	83	81	80	75	73	67	73	75	77	77	83	83	91	91	92	91	83·7	11·7
6	90	95	92	91	94	96	91	91	79	77	72	64	60	57	63	75	78	83	86	87	91	87	75	84	81·7	12·1
7	84	83	82	83	83	88	84	79	77	74	61	63	66	64	66	70	75	77	81	85	87	88	87	88	78·0	10·0
8	87	88	88	86	86	87	90	88	90	93	87	96	92	92	97	95	92	94	92	91	95	96	92	92	91·0	11·1
9	91	91	95	90	90	88	92	87	81	72	68	68	68	62	66	74	70	69	71	76	83	80	78	81	79·0	9·9
10	84	88	75	82	80	84	79	67	60	58	62	63	60	62	66	66	73	70	80	80	83	86	93	86	74·4	**8·5**
11	89	89	90	89	93	89	83	76	67	60	50	54	62	59	58	54	54	63	69	79	88	88	90	89	74·2	8·7
12	88	90	97	91	89	90	89	93	95	93	94	92	96	94	95	96	94	80	79	89	85	82	81	86	90·0	10·0
13	88	93	96	87	92	92	86	85	83	79	77	72	55	59	59	67	81	66	66	77	76	80	85	87	78·6	9·9
14	83	83	84	82	84	83	80	73	76	64	62	61	66	63	58	71	70	74	76	83	84	86	84	82	75·6	9·3
15	86	91	93	91	91	88	86	78	73	75	70	69	69	70	81	81	85	85	86	90	95	94	91	90	83·5	11·0
16	92	91	89	90	90	89	92	91	84	96	93	94	89	87	85	75	78	82	83	95	97	96	97	99	89·6	**13·1**
17	95	96	97	96	94	92	86	89	72	78	75	65	77	86	85	77	78	76	76	78	82	82	80	78	83·4	11·1
18	82	86	86	83	93	92	73	80	69	67	72	58	58	55	56	58	57	61	66	69	73	67	71	83	**71·4**	9·3
19	80	82	90	85	90	93	93	95	92	95	90	86	84	90	84	82	87	87	92	92	93	96	98	94	89·4	12·4
20	95	96	90	92	91	87	89	97	91	95	98	100	99	99	98	95	96	98	96	94	90	92	91	89	**94·2**	**13·1**
21	93	91	93	97	97	96	94	91	83	89	88	93	87	88	91	93	91	90	90	93	96	96	97	99	92·1	12·9
22	96	95	95	91	92	84	96	85	86	76	68	67	69	74	75	85	88	89	90	90	94	87	78	86	85·1	11·6
23	69	79	76	75	77	76	76	73	64	65	68	61	59	63	65	68	68	73	70	78	84	83	84	84	72·5	8·9
24	84	78	79	86	85	83	100	100	83	84	82	78	73	90	90	93	93	75	87	87	88	92	92	92	87·1	10·0
25	87	90	86	88	90	87	84	80	78	76	70	67	53	50	55	59	56	63	66	69	78	82	81	85	74·3	9·4
26	85	82	82	82	100	99	97	86	73	76	71	75	76	77	79	80	91	96	95	96	96	100	96	96	86·7	10·6
27	99	96	96	98	98	96	99	99	88	86	76	77	84	78	78	81	79	85	87	89	91	89	87	90	88·7	12·8
28	90	94	91	94	93	94	92	95	85	80	68	66	63	63	63	69	71	77	84	87	86	90	90	91	82·3	11·8
29	90	90	90	91	92	93	94	96	97	86	82	76	76	76	77	77	80	82	86	87	88	89	87	88	86·3	12·1
30	90	91	93	93	89	91	91	82	69	69	69	67	63	63	65	66	66	80	80	78	92	92	93	97	80·2	11·0
31	90	88	90	92	94	99	99	97	86	78	78	88	89	91	86	82	82	83	87	88	88	88	97	88	88·9	11·6
Mean ...	88·0	88·7	89·1	89·0	**90·3**	89·3	88·0	85·5	79·9	78·0	75·2	73·3	72·7	**72·4**	73·7	76·1	78·0	79·5	81·1	84·7	87·7	88·0	87·8	88·8	82·7	†10·8
Vapour Pressure* ...	mb. 10·2	mb. 10·1	mb. 10·0	mb. **9·9**	mb. **9·9**	mb. 10·0	mb. 10·5	mb. 10·9	mb. 10·8	mb. 11·0	mb. 11·0	mb. 10·9	mb. 11·1	mb. 11·1	mb. 11·3	mb. **11·4**	mb. **11·4**	mb. 11·3	mb. 11·1	mb. 10·9	mb. 10·9	mb. 10·7	mb. 10·5	mb. 10·3	mb. ‡10·7	

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages, at exact hours, Greenwich Mean Time, determined as explained on page 13.

135. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulbs above ground) = 0·9 metre. **September, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	92	89	87	86	93	93	93	86	82	82	79	79	91	90	92	94	91	87	89	91	91	90	87	88	88·4	10·8
2	91	92	92	87	88	90	88	87	86	96	81	82	83	80	77	81	79	80	87	90	89	91	95	95	86·8	11·9
3	91	92	89	92	94	97	96	90	90	69	66	70	67	70	72	68	70	79	86	85	94	91	86	87	83·1	12·2
4	88	91	91	91	90	93	91	93	92	88	87	76	72	71	64	62	65	78	87	93	91	85	99	97	84·6	12·1
5	100	94	96	92	96	96	99	94	90	83	79	69	72	71	68	67	78	79	87	89	92	96	93	96	86·5	12·0
6	96	97	99	99	96	95	92	84	67	61	70	80	70	73	73	72	73	81	86	90	93	92	92	94	84·4	11·9
7	96	93	94	96	93	94	92	94	86	77	61	59	62	64	64	66	68	76	80	79	88	88	89	86	81·2	9·9
8	89	87	89	86	88	87	85	89	79	74	72	70	71	82	83	82	79	79	83	86	86	84	85	88	82·6	9·2
9	84	81	81	82	82	84	77	75	68	68	54	59	61	58	59	53	57	69	77	87	87	90	93	91	74·0	**7·3**
10	91	91	88	90	86	87	82	86	68	66	66	69	68	61	64	66	73	84	88	88	89	86	89	89	79·9	8·3
11	83	90	90	94	85	86	87	87	88	82	79	82	82	84	88	89	87	86	88	88	92	92	92	89	87·1	10·1
12	91	90	90	92	95	87	92	90	88	87	86	85	85	85	87	86	87	86	86	86	86	86	87	84	87·8	10·8
13	87	86	84	86	86	87	87	87	91	85	86	85	85	86	89	86	85	85	85	87	86	87	87	87	86·3	10·7
14	87	88	89	90	90	88	87	90	90	92	92	78	74	75	79	78	77	77	79	78	75	78	74	73	82·7	11·1
15	73	75	73	73	71	77	70	65	62	62	61	57	54	54	55	59	66	74	78	81	81	78	85	95	**69·5**	7·4
16	88	89	86	80	83	84	96	96	96	97	97	100	100	97	99	98	95	94	94	94	95	93	89	80	92·8	10·8
17	85	79	82	82	86	88	87	84	81	86	89	93	87	83	75	84	88	87	84	80	78	80	81	87	83·9	9·6
18	87	85	76	76	79	79	87	80	75	81	78	71	84	83	82	84	87	89	93	94	95	91	88	90	83·9	7·9
19	89	96	96	97	97	94	97	97	95	97	98	98	94	94	94	94	92	89	91	91	95	88	77	77	93·1	**13·3**
20	73	75	78	76	85	84	80	79	72	72	79	70	71	68	67	68	70	71	77	81	88	86	89	96	76·9	9·6
21	94	96	94	96	93	93	93	94	97	96	89	84	84	84	85	86	89	90	90	88	89	89	89	89	90·6	9·3
22	92	92	90	90	89	93	94	90	78	71	64	52	47	58	61	66	70	75	83	87	88	86	89	91	79·0	8·7
23	91	98	100	91	94	87	95	90	81	80	77	72	70	68	68	81	78	86	88	93	92	92	91	89	85·5	8·5
24	94	95	90	90	90	91	96	96	92	88	88	87	87	89	91	91	92	92	93	93	95	97	95	97	91·9	9·9
25	96	96	96	96	91	92	92	90	86	73	78	71	71	63	73	74	73	76	79	79	81	79	82	82	82·4	10·3
26	84	86	87	87	88	90	93	89	91	89	87	91	91	90	87	84	79	77	85	84	85	86	84	89	86·6	11·7
27	88	88	88	92	92	95	96	96	88	87	78	79	78	83	83	85	87	90	89	94	94	95	95	96	88·9	12·4
28	91	91	95	97	98	98	96	93	93	94	94	94	89	92	92	90	90	91	87	80	81	78	80	80	90·5	11·4
29	78	80	75	76	75	76	77	75	70	62	57	52	55	56	58	66	75	80	87	87	88	98	100	84	74·4	7·6
30	100	100	100	100	98	98	94	100	97	100	92	93	91	91	95	95	93	92	92	93	96	94	96	97	**95·4**	8·6
Mean ...	89·0	89·4	88·8	88·7	89·0	89·4	**89·7**	88·2	84·0	81·5	78·8	76·9	**76·5**	76·8	77·5	78·5	79·8	82·6	85·9	87·2	88·7	88·2	88·6	88·8	84·7	†10·2
Vapour Pressure* ...	mb. 9·2	mb. **9·1**	mb. **9·1**	mb. **9·1**	mb. **9·1**	mb. **9·1**	mb. 9·5	mb. 10·0	mb. 10·5	mb. 10·6	mb. 10·7	mb. 10·8	mb. 11·0	mb. **11·4**	mb. 11·2	mb. 11·1	mb. 10·9	mb. 10·7	mb. 10·4	mb. 10·1	mb. 9·9	mb. 9·8	mb. 9·5	mb. 9·2	mb. ‡10·1	

136. Eskdalemuir : Louvred Hut : h_t = 0·9 metre. **October, 1922.**

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	97	98	100	92	91	94	90	86	76	72	72	66	66	67	63	68	75	84	84	90	90	88	90	96	83·2	10·3
2	90	88	93	88	92	92	92	89	93	93	73	75	68	69	74	71	73	73	83	78	88	85	84	86	83·1	9·4
3	91	94	91	91	88	94	95	95	94	97	89	89	87	79	87	89	97	96	96	95	97	94	94	97	92·1	9·5
4	96	97	96	100	100	99	99	100	98	86	80	85	83	81	84	87	87	93	92	91	96	99	99	99	92·8	**13·3**
5	100	99	100	99	99	100	100	97	99	90	85	78	73	72	75	85	84	92	93	93	95	95	96	97	91·5	12·7
6	93	92	96	87	89	92	92	88	87	80	72	70	66	66	60	67	83	83	85	90	91	92	92	96	83·8	9·1
7	96	95	96	96	96	92	93	97	91	90	70	62	59	61	63	70	76	82	82	93	89	92	89	90	84·3	7·4
8	97	87	88	97	91	91	90	92	93	93	87	77	65	64	67	71	75	82	84	88	89	92	89	89	84·9	8·2
9	89	89	90	92	93	89	91	95	88	81	74	72	74	72	73	88	81	86	87	86	85	87	89	86	84·9	9·1
10	87	91	90	89	90	90	89	89	86	82	80	76	79	75	87	87	80	85	87	91	90	89	86	87	85·9	8·6
11	86	86	89	91	92	89	90	90	88	72	60	53	54	59	62	65	73	80	78	79	77	76	96	95	78·2	6·8
12	95	96	96	95	95	95	96	93	94	97	97	99	96	98	96	95	95	98	94	96	92	93	97	97	**95·6**	10·7
13	93	88	97	91	94	93	94	90	86	79	75	66	66	66	69	75	79	88	90	92	92	87	92	86	84·7	9·8
14	90	91	87	89	88	93	90	87	78	67	62	55	58	54	49	59	75	69	88	86	91	90	81	83	77·6	8·6
15	86	90	87	88	76	84	73	77	66	53	38	35	34	36	40	48	63	62	68	69	67	77	72	74	**65·3**	7·4
16	81	85	73	82	83	85	88	85	94	88	83	75	71	70	71	77	84	90	94	93	91	91	92	94	83·8	8·2
17	96	90	90	87	87	86	89	90	84	76	66	60	63	62	62	64	72	77	81	79	67	74	75	67	77·4	8·2
18	67	67	86	88	88	86	89	87	83	75	83	75	74	74	74	80	82	87	89	89	85	90	89	89	81·9	8·0
19	87	87	87	88	87	81	81	81	83	82	78	76	79	82	83	75	82	84	87	87	86	84	88	89	83·5	7·7
20	89	87	87	89	88	89	89	90	94	93	93	94	92	90	88	86	94	89	86	88	90	86	86	89	89·4	8·4
21	93	87	90	86	80	84	84	79	71	77	72	68	74	75	80	77	78	75	82	88	90	87	88	87	81·4	7·3
22	84	85	85	85	84	85	84	86	83	81	81	82	78	75	78	87	88	86	79	75	82	85	84	88	82·9	6·9
23	80	80	84	84	85	82	84	86	84	80	81	75	73	74	72	75	82	81	86	85	86	86	81	84	81·3	6·8
24	84	82	80	76	73	75	70	70	75	68	61	60	57	56	60	67	71	68	73	74	85	83	81	92	72·4	6·3
25	91	91	93	93	89	92	94	96	96	85	76	74	76	78	69	88	84	88	86	88	88	88	87	90	86·7	6·4
26	92	93	90	89	96	96	93	94	89	85	83	75	83	75	79	83	95	88	86	94	94	86	92	91	88·4	6·7
27	91	87	87	90	82	86	83	83	84	80	85	85	87	62	82	92	90	90	95	92	91	91	87	92	86·4	**6·0**
28	94	91	88	89	87	92	90	92	92	84	92	88	88	83	87	87	91	89	93	93	95	95	91	87	90·0	6·1
29	85	88	88	89	89	88	91	96	90	92	87	85	85	84	84	85	87	90	85	88	82	82	82	82	87·0	6·3
30	83	88	88	88	88	89	93	84	91	92	88	87	83	88	84	95	89	88	91	90	90	90	91	90	88·5	6·6
31	90	92	93	95	93	94	95	95	96	95	87	84	84	87	86	91	92	92	91	93	87	87	86	91	90·7	6·3
Mean ...	89·5	89·1	**89·8**	**89·8**	88·8	89·6	89·4	89·0	87·3	82·7	77·7	74·2	73·4	**72·1**	73·8	78·5	82·5	84·3	86·3	87·5	87·7	87·8	87·9	89·0	84·5	†8·2
Vapour Pressure* ...	mb. 7·8	mb. 7·6	mb. 7·5	mb. 7·5	mb. **7·3**	mb. **7·3**	mb. 7·4	mb. 7·5	mb. 8·2	mb. **8·6**	mb. **8·6**	mb. **8·6**	mb. **8·6**	mb. 8·4	mb. 8·5	mb. 8·5	mb. 8·4	mb. 8·1	mb. 8·0	mb. 8·0	mb. 7·9	mb. 7·9	mb. 7·8	mb. 7·8	mb. ‡8·0	
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	—	—

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages, at exact hours, Greenwich Mean Time. determined as explained on page 13.

137. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulbs above ground) = 0·9 metres. **November, 1922.**

Hour.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
Day.	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	91	87	97	97	94	92	95	94	93	83	85	74	71	64	71	66	65	69	69	77	71	69	69	73	79·8	6·4
2	77	79	79	83	85	85	91	91	80	78	73	76	71	64	68	70	85	84	87	89	96	85	89	93	81·6	5·5
3	90	89	93	93	95	93	94	97	93	100	100	93	89	82	75	86	82	89	84	87	93	85	86	83	89·4	6·0
4	75	73	80	76	80	79	85	77	71	72	65	72	73	71	70	76	75	73	77	80	82	87	93	95	**77·1**	**4·8**
5	95	95	95	96	96	96	96	95	94	93	92	92	94	94	94	97	93	95	93	93	96	93	97	94	94·5	6·2
6	92	95	95	93	97	92	94	97	95	92	95	93	90	93	93	93	93	90	91	93	95	94	93	94	93·4	8·9
7	90	90	90	92	88	89	90	89	86	90	88	86	70	75	79	82	76	77	80	87	81	81	87	90	84·8	8·3
8	95	97	92	95	95	100	98	98	98	92	86	80	80	83	86	86	87	87	87	88	88	85	84	85	89·8	7·5
9	87	87	91	91	86	84	79	83	82	87	79	71	74	75	78	84	83	86	83	86	90	89	86	89	83·7	6·5
10	84	87	88	94	94	93	97	94	94	97	99	100	99	100	96	96	100	93	84	89	91	88	86	85	92·9	9·5
11	77	80	78	77	79	78	76	77	77	74	63	60	61	69	76	85	85	90	93	96	96	96	96	96	80·4	6·2
12	96	96	96	95	95	95	95	95	95	91	90	86	86	81	81	81	82	85	90	92	93	93	92	92	90·6	7·3
13	92	92	92	91	91	91	93	95	97	97	96	98	97	97	97	97	97	96	96	94	97	96	97	99	**95·1**	9·7
14	97	99	99	99	99	99	97	97	89	92	78	83	85	82	82	87	80	94	81	86	93	87	90	92	90·4	**10·4**
15	91	76	97	86	94	93	95	98	92	93	87	84	76	85	86	86	86	87	89	87	87	87	86	87	88·2	7·7
16	86	86	87	90	90	91	93	90	92	90	92	92	88	94	90	89	84	78	83	77	77	76	72	75	86·2	8·6
17	76	75	72	77	81	90	82	84	84	83	77	82	77	79	81	86	85	80	80	82	85	91	88	86	81·6	9·1
18	84	82	80	79	73	71	73	77	77	73	68	69	75	72	76	81	85	88	85	82	85	87	86	83	78·9	8·0
19	75	82	83	90	86	93	90	87	94	88	80	71	68	70	75	81	88	91	88	88	88	91	94	89	84·5	7·7
20	92	96	98	98	96	96	96	90	85	79	68	66	63	76	80	81	82	86	87	91	88	90	88	91	86·3	6·7
21	92	93	92	93	92	90	91	89	92	96	91	94	93	90	92	88	89	89	92	92	97	95	94	97	92·1	7·8
22	92	90	83	85	79	80	81	82	88	90	86	87	85	85	84	86	88	86	91	92	94	94	93	92	87·3	7·8
23	92	92	86	88	90	90	91	92	94	94	88	86	84	85	83	84	85	84	89	85	79	83	82	84	87·3	8·7
24	84	82	88	76	79	86	90	83	77	65	57	55	55	60	66	70	80	85	88	90	93	94	94	95	78·6	5·1
25	96	97	97	97	97	96	95	95	85	82	80	80	74	76	82	80	83	88	93	95	90	85	85	83	88·2	5·1
26	79	79	76	79	76	76	77	79	93	98	92	89	83	78	72	69	69	72	74	70	74	68	74	70	78·0	6·1
27	70	73	69	68	65	67	70	71	76	78	75	73	72	73	82	88	92	90	81	83	89	86	95	94	77·8	5·7
28	95	88	88	87	87	80	86	81	81	77	75	81	84	81	88	92	88	92	89	88	86	87	87	86	85·8	10·1
29	87	86	86	79	79	78	80	80	76	74	70	68	64	67	67	67	76	83	90	90	93	95	94	94	80·0	8·6
30	94	93	91	91	91	88	88	87	91	91	89	90	91	91	91	91	94	88	86	89	86	86	85	88	89·7	8·4
Mean ...	87·4	87·2	87·9	87·8	87·6	87·7	88·6	88·1	87·4	86·3	82·1	81·0	**79·1**	79·7	81·4	83·5	84·6	85·8	86·0	87·3	88·1	87·4	88·1	**88·5**	85·8	†7·5
Vapour Pressure* ...	mb 7·2	mb. 7·2	mb. 7·2	mb. 7·1	mb. 7·0	mb. **6·9**	mb. **6·9**	mb. **6·9**	mb. 7·1	mb. 7·5	mb. 7·6	mb. **7·8**	mb. **7·8**	mb. **7·8**	mb. 7·7	mb. 7·6	mb. 7·5	mb. 7·5	mb. 7·6	mb. 7·5	mb. 7·5	mb. 7·4	mb. 7·5	mb. 7·3	mb. ‡7·4	

138. Eskdalemuir : Louvred Hut : h_t = 0·9 metre. **December, 1922.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	88	88	90	86	87	86	82	83	82	83	76	79	82	71	81	81	83	75	87	88	88	86	86	80	83·4	7·8
2	78	84	73	78	83	80	83	85	84	79	78	74	75	76	78	80	82	84	78	92	92	96	96	96	**82·3**	7·7
3	96	96	95	95	95	95	95	95	95	76	89	95	95	95	94	95	92	91	90	89	82	81	82	82	91·3	6·7
4	86	89	89	88	87	87	81	83	86	85	82	86	84	87	94	87	85	83	82	83	81	90	93	90	86·0	8·7
5	92	90	88	88	86	85	87	88	88	97	94	92	90	89	92	81	85	69	89	82	81	77	75	77	86·2	9·1
6	77	74	76	74	73	76	77	80	75	76	76	72	72	72	74	79	81	82	88	82	86	84	83	81	77·8	6·3
7	81	76	83	83	85	83	85	83	89	95	89	86	84	84	85	84	84	84	84	84	85	86	86	87	84·7	8·3
8	81	81	92	93	91	89	96	96	91	88	87	83	81	80	83	85	85	86	88	89	93	90	88	85	87·6	7·1
9	84	87	88	86	79	80	90	88	90	84	81	80	74	78	82	92	87	94	94	94	95	97	97	97	87·2	6·6
10	97	97	96	95	95	95	95	94	93	94	82	84	81	84	84	82	85	85	80	84	85	82	82	82	88·4	6·2
11	78	82	82	83	82	83	88	83	85	84	85	86	90	95	94	91	91	91	92	92	87	87	86	91	86·8	7·0
12	91	91	94	94	95	94	97	93	93	90	89	89	92	92	92	93	96	96	96	93	96	97	95	93	93·3	9·7
13	93	92	92	91	92	92	94	98	94	86	78	77	87	90	90	92	95	98	97	97	97	97	97	97	92·1	**10·7**
14	97	97	96	95	95	94	90	89	92	91	86	85	83	77	77	75	79	78	80	74	82	85	86	91	86·5	8·4
15	93	94	95	96	96	96	96	97	97	97	97	97	90	97	100	98	92	96	96	100	98	94	100	98	96·1	5·7
16	98	97	95	90	91	91	95	95	92	90	87	90	92	92	92	94	92	97	98	96	95	95	95	92	93·5	6·6
17	92	92	90	93	93	94	94	95	95	91	89	87	84	88	90	90	91	95	95	96	95	94	88	82	91·6	6·9
18	83	83	93	95	95	95	97	97	96	96	96	94	96	98	94	91	88	91	88	88	91	87	85	82	91·6	6·4
19	83	80	83	84	87	90	93	93	88	85	88	87	86	86	83	85	85	86	85	87	89	92	91	92	86·8	7·1
20	88	79	78	91	89	88	88	90	88	95	87	92	91	94	88	89	86	88	86	86	84	84	82	79	87·3	6·2
21	81	76	75	68	79	85	89	86	92	91	97	93	89	92	92	98	96	90	95	93	94	92	95	91	88·5	6·4
22	94	71	85	87	82	85	92	88	87	81	82	94	96	81	89	92	88	91	94	86	87	87	86	88	87·3	7·4
23	89	91	90	89	96	86	79	75	79	86	87	87	90	88	91	85	83	93	87	89	85	92	91	86	87·3	7·4
24	87	88	85	90	91	85	80	86	88	80	70	84	77	83	87	85	89	84	85	89	90	93	84	92	85·4	6·5
25	89	89	85	87	88	87	90	88	94	90	77	76	78	82	87	85	85	83	85	86	79	79	84	83	85·0	7·5
26	83	82	85	84	85	87	85	88	89	89	85	83	80	78	78	81	82	84	84	89	91	92	92	92	85·2	6·5
27	93	89	89	89	83	85	93	95	85	83	88	90	91	92	93	93	93	87	84	87	89	90	91	92	89·3	5·9
28	92	93	94	93	91	89	87	85	85	85	90	92	90	86	86	94	84	85	96	90	90	96	92	97	90·0	5·9
29	98	96	94	97	97	94	100	100	98	98	96	98	99	98	95	92	100	96	94	100	95	94	95	94	**96·6**	6·7
30	95	98	98	92	90	91	90	92	95	84	84	84	84	86	85	84	84	85	85	84	88	85	88	90	88·5	6·5
31	90	88	87	86	85	84	84	81	85	85	82	84	82	79	82	77	82	73	79	79	83	88	89	90	83·5	**5·3**
Mean ...	88·6	87·4	88·2	88·4	88·5	88·1	**89·4**	89·3	89·3	87·5	85·6	86·5	**86·0**	86·1	87·5	87·4	87·4	87·1	88·4	88·7	88·8	89·3	89·0	88·7	88·0	†7·1
Vapour Pressure* ...	mb 6·9	mb **6·8**	mb. 6·9	mb. 6·9	mb. 6·9	mb. 6·9	mb. 7·1	mb. 7·0	mb. 7·2	mb. 7·2	mb. 7·2	mb. 7·4	mb. 7·4	mb. **7·5**	mb. 7·4	mb. 7·3	mb. 7·1	mb. 7·1	mb. 7·1	mb. 7·0	mb. 7·0	mb. 6·9	mb. 6·9	mb. **6·8**	mb. ‡7·1	
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

HUMIDITY: ANNUAL MEANS OF HOURLY VALUES.

From the monthly means for exact hours, Greenwich Mean Time.

139. Eskdalemuir : (Louvred Hut) $h_t = 0{\cdot}9$ metre. **1922.**

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Relative Humidity ...	% 88·6	% 88·4	% 89·0	% **89·1**	% 88·9	% 88·4	% 87·1	% 85·2	% 82·4	% 80·1	% 77·3	% 75·6	% 74·9	% **74·4**	% 75·1	% 76·8	% 78·6	% 80·5	% 82·6	% 84·9	% 87·0	% 87·7	% 88·0	% 88·7	% 83·3
Vapour Pressure (in millibars) ...	mb. 7·6	mb. 7·5	mb. 7·5	mb. **7·4**	mb. 7·5	mb. 7·6	mb. 7·8	mb. 8·0	mb. 8·1	mb. 8·3	mb. 8·4	mb. 8·4	mb. **8·5**	mb. **8·5**	mb. **8·5**	mb. **8·5**	mb. **8·5**	mb. 8·4	mb. 8·2	mb. 8·1	mb. 8·0	mb. 7·9	mb. 7·7	mb. 7·7	mb. 8·0

RELATIVE HUMIDITY: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

140. Eskdalemuir : (Louvred Hut) $h_t = 0{\cdot}9$ metre. **1922.**

Month.	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Jan.	87·9	+ 0·8	+ 0·4	+ 0·3	+ 0·7	+ 1·0	+ 1·3	+ 0·4	− 0·1	+ 0·1	− 0·9	− 1·3	− 2·4	− **2·5**	− **2·5**	− 1·3	− 0·8	+ 0·6	+ 0·9	+ 0·7	− 0·2	+ 0·7	+ 1·0	+ **1·5**	+ 1·4
Feb.	87·3	+ 2·2	+ 1·5	+ 2·5	+ **4·0**	+ 2·3	+ 1·8	+ 3·0	+ 2·3	+ 1·8	+ 0·6	− 1·0	− 3·1	− 3·9	− **5·8**	− 5·6	− 5·1	− 2·8	− 2·0	− 0·2	+ 1·0	+ 1·1	+ 1·9	+ 1·8	+ 1·9
Mar.	82·2	+ 7·0	+ 6·9	+ 6·5	+ 6·4	+ 6·9	+ 6·3	+ 4·5	+ 2·7	+ 0·1	− 4·5	− 8·1	−10·2	−12·9	−**13·4**	−12·4	− 9·9	− 6·1	− 1·1	+ 1·4	+ 4·7	+ 6·1	+ 6·2	+ 6·1	+ **7·1**
April	78·6	+11·7	+11·7	+11·6	+11·4	+11·2	+10·8	+ 8·5	+ 3·9	− 3·3	− 8·6	−14·3	−16·9	−17·2	−17·8	−**18·2**	−13·0	−10·0	− 6·9	− 0·1	+ 4·8	+ 8·4	+ 9·8	+10·6	+**11·9**
May	79·9	+ 9·1	+ 9·0	+10·6	+**11·8**	+10·7	+ 8·3	+ 4·0	+ 0·9	− 2·8	− 6·5	− 7·8	−10·1	− 8·9	−**11·2**	−10·1	− 8·5	− 8·2	− 6·8	− 4·5	− 0·3	+ 3·9	+ 5·0	+ 6·4	+ 7·0
June	75·8	+ 9·3	+ 8·6	+**10·1**	+10·0	+ 8·9	+ 7·6	+ 2·5	− 1·2	− 5·3	− 5·7	− 6·7	− 8·1	− 8·8	− 9·5	−10·6	−**10·8**	− 9·7	− 6·8	− 3·9	− 0·4	+ 4·6	+ 8·2	+ 8·1	+ 9·5
July	82·1	+ 7·0	+ 7·7	+ **8·2**	+ 8·1	+ **8·2**	+ 6·8	+ 3·2	− 0·8	− 3·0	− 3·7	− 6·2	− 8·1	− 8·5	− 8·2	− **8·7**	− 8·6	− 7·2	− 4·9	− 4·6	+ 0·2	+ 4·2	+ 5·5	+ 6·1	+ 7·3
Aug.	82·7	+ 5·2	+ 5·9	+ 6·3	+ 6·2	+ **7·5**	+ 6·6	+ 5·8	+ 2·8	− 2·8	− 4·7	− 7·5	− 9·5	−10·1	−**10·3**	− 9·0	− 6·6	− 4·7	− 3·3	− 1·3	+ 1·9	+ 5·0	+ 5·3	+ 5·1	+ 6·1
Sept.	84·7	+ 4·4	+ 4·9	+ 4·3	+ 4·1	+ 4·4	+ 4·8	+ **5·1**	+ 3·6	− 0·7	− 3·1	− 5·9	− 7·8	− **8·2**	− 7·9	− 7·3	− 6·2	− 5·0	− 2·1	+ 1·2	+ 2·4	+ 3·9	+ 3·4	+ 3·8	+ 3·9
Oct.	84·5	+ 4·9	+ 4·5	+ **5·3**	+ 5·2	+ 4·3	+ 5·0	+ 4·9	+ 4·5	+ 2·8	− 1·8	− 6·8	−10·3	−11·1	−**12·4**	−10·7	− 5·9	− 2·0	− 0·1	+ 1·9	+ 3·1	+ 3·3	+ 3·3	+ 3·5	+ 4·6
Nov.	85·8	+ 1·6	+ 1·4	+ 2·1	+ 2·0	+ 1·8	+ 1·9	+ **2·8**	+ 2·3	+ 1·6	+ 0·5	− 3·7	− 4·8	− **6·7**	− 6·1	− 4·4	− 2·3	− 1·2	+ 0·1	+ 0·2	+ 1·5	+ 2·7	+ 1·7	+ 2·3	+ 2·7
Dec.	88·0	+ 0·7	− 0·5	+ 0·3	+ 0·4	+ 0·5	+ 0·1	+ **1·5**	+ 1·4	+ 1·4	− 0·4	− **2·4**	− 1·5	− 2·0	− 1·9	− 0·5	− 0·6	− 0·6	− 0·9	+ 0·4	+ 0·7	+ 0·8	+ 1·3	+ 1·0	+ 0·7
Year.	83·3	+ 5·3	+ 5·1	+ 5·7	+ **5·8**	+ 5·6	+ 5·1	+ 3·8	+ 1·9	− 0·9	− 3·2	− 6·0	− 7·7	− 8·4	− **8·9**	− 8·2	− 6·5	− 4·7	− 2·8	− 0·7	+ 1·6	+ 3·7	+ 4·4	+ 4·7	+ 5·4

RAINFALL: ANNUAL TOTALS OF HOURLY VALUES.

† *Amounts, in millimetres ; durations, in hours, for periods of sixty minutes between the exact hours, Greenwich Mean Time.*

141. Eskdalemuir : $H_r = 242{\cdot}0$ metres + $0{\cdot}4$ metre. **1922.**

G.M.T.	0 to 1	1 2	2 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 Noon	Noon 13	13 14	14 15	15 16	16 17	17 18	18 19	19 20	20 21	21 22	22 23	23 24	0 24
Amount*	mm. 32·9	mm. 39·0	mm. 47·0	mm. 55·7	mm. 61·8	mm. 63·2	mm. 64·5	mm. 68·4	mm. **76·2**	mm. 61·1	mm. 55·4	mm. 58·1	mm. 44·6	mm. 43·3	mm. 54·0	mm. 60·4	mm. 52·1	mm. 42·7	mm. 46·1	mm. 38·4	mm. **30·5**	mm. 36·9	mm. 30·9	mm. 33·0	mm. 1280·3
Duration*	hr. 35·1	hr. 39·7	hr. 42·9	hr. 44·7	hr. 48·7	hr. 49·0	hr. **51·6**	hr. 49·3	hr. 48·0	hr. 43·3	hr. 40·8	hr. 38·8	hr. 34·0	hr. 36·0	hr. 33·6	hr. 36·5	hr. 31·1	hr. 37·9	hr. 34·8	hr. 35·7	hr. 35·4	hr. 36·0	hr. **30·9**	hr. 32·6	hr. 946·4

† The totals and durations for individual months are printed in the tables on pp. 118–123.

* Hourly totals of amount and duration are for 346 days only. Annual total of daily (0–24 hr.) amounts refers to 365 days, but the amount of total duration refers to 346 days. *See* footnotes to monthly tables.

142. Eskdalemuir. **1922.**

Notable Falls of the Year.

(*a*) The greatest amount in a 60 minute period was 7·8 mm., which was recorded between 16 h. 10 m. and 17 h. 10 m., March 6th. There were a number of occasions when 4, 5 or 6 mm. were recorded in the space of an hour.

(*b*) Details of the greatest continuous falls are as follows :—

Date.	Amount. mm.	Duration. hrs.
January 9th	24	12·0
March 5th	37	12·3
April 14th	25	9·1
May 15th–16th	31	25·5
July 5th–6th	28	14·3
July 20th–21st	25	15·9
November 1st	30	9·7
December 24th–25th	24	12·6

Wet Periods.

(*a*) There were two " rain spells " (*i.e.*, periods of fifteen or more consecutive days on each of which 0·2 mm. or more of rain fell), viz., February 13th to March 9th, December 16th to 30th.

(*b*) No period merits description as a " wet spell " (*i.e.*, a period of fifteen or more consecutive days on each of which 1·0 mm. or more of rain fell), but on each of the fourteen days February 15th to 28th, at least 3 mm. of rain was recorded. The total fall during this period amounted to 120·5 mm., the maximum and minimum daily falls being 19·1 mm. and 3·1 mm., respectively.

Dry Periods.

(*a*) There were no periods of " absolute drought " (*i.e.*, fifteen or more consecutive days on each of which less than 0·2 mm. of rain fell), or a " partial drought " (*i.e.*, twenty-nine or more consecutive days, the mean rainfall of which did not exceed 0·2 mm. per day).

(*b*) Details of the principal relatively dry periods are as follows :—

(i) March 8th to April 11th. Total rain 22·7 mm., of which 12·0 mm. occurred on March 24th. During the period March 10th to 23rd, rainfall exceeded 1 mm. on only one day (1·2 mm. on March 19th) ; while in the period March 28th to April 11th the greatest daily fall was 1·0 mm. on April 3rd.

(ii) May 22nd to June 17th. Total rain 13·2 mm., of which 4·3 mm. fell on June 13th. Precipitation was less than 1·0 mm. on each day of the period May 27th to June 9th.

(iii) October 13th to 26th. Total rain 4·1 mm., of which 2·1 mm. occurred on 20th. There was no rain during the period October 13th to 18th.

(*c*) The following periods of seven or more consecutive days were rainless : March 10th to 18th, May 27th to June 3rd, September 3rd to 11th.

Amounts, in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

143. Eskdalemuir : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres. **January, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	·3	·5	·4	·1	·3	1·7	·4	·1	·1	·1	·2	·3	·2	·1	·1	·6	·4	…	…	…	…	·3	…	…	6·2	7·8
2	…	…	·5	·5	·1	1·9	·4	·1	…	…	…	…	…	·3	…	…	…	…	…	…	…	…	…	…	3·8	2·6
3	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
4*	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	*0·6	?
5	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	·1	…	0·2	…
6	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·3	·1	·2	·2	·2	·3	·1	·1	…	…	1·5	3·0
7	…	…	…	·2	·3	1·1	·6	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	2·2	2·0
8	…	·4	·9	3·3	3·7	·9	·6	…	…	…	…	…	…	…	…	…	…	…	·1	…	…	…	…	…	9·9	5·1
9	…	…	·3	1·0	2·4	1·5	1·4	2·4	2·5	2·7	2·0	1·7	3·4	2·4	·4	·4	…	…	…	…	…	…	·8	·2	**25·5**	**12·5**
10	·2	1·2	…	1·7	1·5	·1	…	…	…	1·1	2·0	·3	2·1	…	·2	·3	·2	·5	·7	·2	·1	·4	…	…	12·8	5·0
11	·2	…	·4	…	·3	·1	…	…	…	·7	·2	·7	·1	…	…	…	…	…	…	…	…	…	…	…	2·7	2·1
12	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
13	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·3	·9	1·5	1·6	1·3	·7	·6	6·9	6·3
14	·9	·3	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	1·2	1·3
15	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	·3	·3	·5	·6	·7	·5	·5	3·5	6·1
16	·6	·6	·3	…	…	…	…	…	·1	…	…	…	…	…	…	…	·1	…	…	…	…	…	…	…	1·7	2·0
17	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
18	…	…	…	…	…	…	…	…	·5	·6	2·3	2·3	…	…	…	…	…	…	…	…	…	…	…	…	5·7	3·7
19	…	…	…	…	…	…	…	·4	·7	1·0	·2	·8	·7	·6	·1	…	…	…	…	…	…	…	…	…	4·5	3·1
20	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
21	…	…	…	…	…	…	·8	·4	1·7	2·4	1·5	1·1	·7	·2	…	…	…	…	…	…	…	…	…	…	8·8	5·1
22	…	…	…	…	…	…	…	…	…	…	…	·1	…	…	…	…	…	…	…	…	…	…	…	…	0·1	…
23	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
24	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
25	…	…	…	…	…	…	…	…	…	…	…	…	·4	·6	·3	·6	·1	…	…	…	…	·8	·4	·1	3·3	3·7
26*	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	*1·9	?
27*	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	*2·6	?
28	…	…	…	…	1·4	2·6	2·1	1·2	1·1	·5	·2	·1	…	…	…	…	·1	·3	…	…	…	…	…	…	9·6	7·2
29	…	…	…	·1	…	…	…	·1	…	…	2·1	2·8	·7	1·0	·6	…	…	·3	…	…	…	…	…	…	7·7	4·3
30	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	0·1	…
31	…	1·0	…	·5	…	…	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	1·6	1·1
Sum.*	2·2	4·0	2·8	7·4	10·0	9·9	6·4	4·7	6·7	9·1	**10·7**	10·2	8·3	5·2	2·0	2·0	1·2	1·9	2·2	2·5	2·5	3·7	2·4	1·5	124·6	84·0
Total Duration.*	hr. 2·3	hr. 3·3	hr. 3·5	hr. 3·2	hr. 5·5	hr. 5·2	hr. 5·9	hr. 3·1	hr. 4·0	hr. 6·1	hr. **6·4**	hr. 5·6	hr. 4·0	hr. 2·9	hr. 2·1	hr. 1·8	hr. 1·0	hr. 2·2	hr. 2·8	hr. 2·7	hr. 2·1	hr. 3·4	hr. 2·7	hr. 2·2	hr. 84·0	

144. Eskdalemuir : H_r = 242·0 metres + 0·4 metres. **February, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hrs.
1	…	…	…	…	·1	…	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·2	…
2	…	…	…	…	…	·4	·7	·1	·3	…·1	·2	·1	·4	·2	·3	·6	…	·1	·3	…	…	…	…	…	3·8	3·8
3	…	·4	2·4	1·8	·3	·3	·4	·5	·1	·5	·4	·1	…	…	…	…	…	…	·1	·2	·2	·8	·5	·2	9·2	8·1
4	·2	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	·4	·1	…	…	…	…	…	…	…	0·9	1·1
5	…	…	…	…	…	…	…	…	·2	…	…	…	…	…	…	…	1·0	…	…	…	…	…	…	…	1·2	0·3
6	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·3	·4	·3	·7	·1	1·8	2·8
7	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
8	…	…	…	…	…	…	·6	·3	·6	·9	·6	·3	·7	·4	·3	·1	…	…	…	…	…	…	…	…	4·8	7·0
9	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
10	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
11	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
12	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
13	…	…	…	…	…	…	…	…	…	…	…	·6	…	…	…	…	…	…	…	…	…	…	…	…	0·6	0·3
14	…	…	…	…	…	…	…	…	…	·6	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	0·7	0·3
15	…	·1	·4	·4	·4	1·3	2·1	1·9	·3	1·1	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	8·1	4·8
16	…	…	·2	·9	·4	·6	·6	·4	1·0	·5	·4	·2	·4	·5	…	…	…	…	…	…	…	…	…	…	6·1	8·3
17	…	…	…	…	…	…	…	…	…	·2	·5	2·0	1·6	·4	…	…	1·2	·1	…	·4	…	…	·1	…	6·5	4·2
18	…	…	…	·2	·6	·2	·7	1·8	·7	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	4·4	3·3
19	…	…	…	…	…	·6	·7	1·1	·8	1·0	·1	·3	1·0	1·6	2·6	3·5	3·8	·1	…	…	·3	·1	…	…	17·6	9·1
20	…	·6	·1	…	…	…	…	…	…	…	…	…	…	…	…	·2	·2	·2	…	…	…	1·4	·3	1·3	4·3	1·6
21	1·8	·7	·5	·7	·1	1·1	1·1	1·2	·9	3·5	1·2	2·1	·8	·2	·4	·3	…	·4	·3	…	…	·6	1·2	…	**19·1**	**9·2**
22	…	…	·4	·4	·2	·2	·2	·1	2·2	…	…	…	…	…	…	…	…	…	…	…	…	…	·2	2·2	6·1	2·7
23	2·8	4·4	2·3	1·1	…	…	…	…	…	…	…	·2	…	…	…	…	·1	…	…	2·2	·1	…	·9	·2	·2	14·5	5·3
24	·6	·2	·1	·7	·3	·1	·1	…	·9	·1	·2	·4	·4	…	…	…	…	…	…	…	…	·2	·3	·1	…	4·7	6·4
25	…	·1	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	1·4	3·2	·6	…	…	…	5·4	2·1
26	…	…	…	…	…	·1	·4	·6	2·9	2·7	·4	…	…	…	…	…	…	·4	·9	…	…	…	…	…	8·4	4·8
27	…	…	…	…	…	…	…	…	…	·1	·3	…	·1	·8	1·2	6·0	2·2	·5	1·0	…	…	…	…	…	12·2	3·8
28	…	…	…	…	…	…	…	·2	2·8	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	3·1	1·2
Sum.	5·4	6·7	6·5	6·2	2·4	4·9	7·9	10·8	11·0	**11·5**	4·5	6·3	5·4	4·1	4·8	11·2	8·5	1·8	6·2	4·2	1·7	4·4	3·3	4·0	143·7	90·5
Total Duration.	hr. 2·9	hr. 3·2	hr. 3·3	hr. 3·8	hr. 3·3	hr. 5·1	hr. 6·6	hr. 7·1	hr. **7·5**	hr. 6·6	hr. 4·5	hr. 4·4	hr. 4·1	hr. 3·2	hr. 2·6	hr. 3·6	hr. 2·6	hr. 1·5	hr. 1·9	hr. 2·2	hr. 2·9	hr. 2·4	hr. 2·7	hr. 2·5	hr. 90·5	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

* Sums of hourly amounts are for 28 days only. On 4th, 26th, 27th, the amounts of snow or rain could not be distributed among the actual hours of fall and have been omitted from the hourly columns but have been included in the daily totals (0–24 h.). The hourly durations and the total duration refer to 28 days only.

Amounts, in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

145. Eskdalemuir : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres. **March, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	0·3	0·2
2	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	0·5	0·4
3	·6	2·1	1·7	·7	·7	·4	·2	·2	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·9	7·0
4	...	·1	·1	·1	·2	1·0	2·6	·2	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	4·6	3·2
5	...	...	·5	1·7	3·1	2·5	5·2	5·5	2·7	3·2	3·2	3·6	3·0	2·1	1·1	1·1	·4	...	...	...	...	...	...	...	**38·9**	**13·8**
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	7·4	2·7	·6	·3	·1	1·1	·7	...	13·9	4·3
7	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	·2	1·2	·2	·3	·6	·2	·4	...	...	...	3·3	3·2
8	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·6	·1	...	...	...	...	...	...	...	...	0·8	1·0
9	...	...	·1	·4	·1	·2	·2	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	1·2	1·4
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·6	·2	...	...	...	...	...	...	1·2	2·4
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·2	...	...	...	...	...	...	0·5	0·4
21	...	...	...	...	...	...	...	·1	·1	·1	...	...	...	...	...	...	·2	·1	·2	...	·1	...	...	...	0·9	0·9
22	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	...	...	...	...	...	...	0·3	0·2
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	·2	·5	·2	·6	·4	·3	·4	1·5	1·0	1·7	1·3	2·0	1·5	·3	...	·1	...	12·0	10·7
25	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
26	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	·1	...	...	...	2·0	0·9
28	...	...	...	...	·1	...	·3	·1	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	0·6
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	·3	...	...	0·7	1·2
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	0·6	2·2	2·5	3·1	4·2	4·1	8·6	6·5	4·0	3·6	3·8	4·0	3·3	3·1	3·5	4·9	**10·9**	4·8	3·4	4·3	1·3	1·4	0·8	0·3	89·2	51·9
Total Duration.	hr. 0·4	hr. 0·9	hr. 1·7	hr. 3·1	hr. 2·5	hr. 2·8	hr. 3·2	hr. 1·8	hr. 3·1	hr. 1·4	hr. 1·9	hr. 2·0	hr. 2·0	hr. 1·8	hr. 3·1	hr. 4·4	hr. **4·8**	hr. 3·2	hr. 2·2	hr. 2·5	hr. 1·4	hr. 1·1	hr. 0·3	hr. 0·3	hr. 51·9	

146. Eskdalemuir : H_r = 242·0 metres + 0·4 metres. **April, 1922.**

	mm.	mm.	mm.	mm.	mm	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·2	·2	...	...	...	...	...	...	...	1·0	0·4
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	0·1	0·1
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	0·2	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·1	...	...	...	...	...	...	...	0·6	0·3
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	·1	·6	1·9	2·8	1·9	1·4	·8	9·8	6·5
13	·2	·1	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	·5	·1	...	...	...	...	...	...	1·3	1·0
14	...	...	...	...	...	...	...	...	·1	1·3	2·0	2·3	1·3	3·9	4·5	4·1	2·8	2·2	1·6	·6	...	...	...	...	**26·7**	10·2
15	...	·1	1·3	·7	1·1	1·2	1·5	1·3	3·1	2·3	·6	·4	·4	...	...	...	...	...	2·3	1·3	·7	·2	...	...	18·5	**11·7**
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	·3	·1	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	0·5	0·3
23	...	...	...	...	...	...	...	...	...	...	·7	...	...	...	...	·6	2·0	·2	...	...	·2	...	·1	...	3·8	1·9
24	·5	·6	...	...	...	...	...	...	...	...	·1	·1	...	·2	...	...	2·1	...	...	...	·1	...	...	2·2	5·9	2·7
25	1·4	1·3	·6	·2	...	...	...	...	...	...	...	...	...	...	...	2·7	·3	...	...	...	...	...	...	...	6·5	3·9
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	·4	·3	·2	...	·1	·6	·1	...	...	...	...	...	...	...	...	·6	·2	...	·1	...	...	...	...	...	2·6	1·3
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	0·1	...
Sum.	2·5	2·4	2·4	1·0	1·4	1·9	1·6	1·3	3·2	3·6	3·4	2·8	1·7	4·7	5·2	**8·8**	8·2	2·6	4·6	3·8	3·8	2·2	1·5	3·0	77·6	40·3
Total Duration.	hr. 2·2	hr. 1·8	hr. 2·1	hr. 1·0	hr. 1·1	hr. 0·9	hr. 1·0	hr. 0·8	hr. 1·1	hr. 2·0	hr. 2·3	hr. 1·8	hr. 1·6	hr. 1·4	hr. 1·2	hr. **3·0**	hr. 2·7	hr. 1·5	hr. 2·1	hr. 2·4	hr. 2·2	hr. 1·4	hr. 1·0	hr. 1·8	hr. 40·3	

G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts, in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

147. Eskdalemuir : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres. **May, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0·24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1*	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	*7·1	?
2	…	…	…	…	…	…	…	…	…	…	…	…	…	·3	·7	…	…	…	…	…	…	…	…	…	1·0	0·6
3	…	…	…	…	…	…	…	…	…	…	…	…	·6	1·2	·4	·6	·2	…	…	…	…	…	…	…	3·0	2·7
4	…	…	…	·2	…	…	·1	·3	…	…	·7	1·6	…	·1	…	·1	·3	·4	·1	…	…	…	…	…	3·9	1·2
5	…	…	…	…	…	…	·7	·6	1·1	…	…	…	·6	…	·3	1·4	1·0	…	…	…	…	…	…	…	5·7	2·9
6	…	…	…	…	…	…	…	·2	·1	1·2	·2	1·9	1·9	2·2	1·7	1·3	·3	·8	2·3	·8	…	…	·2	·1	15·2	9·1
7	·1	·1	·2	·2	·4	·3	·2	·6	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	2·3	2·0
8	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
9	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
10	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
11	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	·4	1·2	1·7	1·4
12	·3	·2	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·7	0·7
13	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
14	…	…	…	…	…	…	…	…	…	·2	…	…	…	…	…	…	…	…	…	…	·1	·1	…	…	0·4	0·2
15	·1	…	·8	…	…	…	…	…	…	…	…	·1	…	…	…	…	…	…	…	·2	·6	…	·8	1·0	3·6	2·5
16	·6	1·4	2·9	3·4	2·3	1·1	1·3	1·3	2·3	1·8	1·4	1·0	1·1	·9	·7	·9	·7	·9	·7	·5	1·0	·6	·6	·3	**29·7**	**23·8**
17	·1	·3	·2	…	·1	·1	·5	·7	1·4	·6	·3	·4	…	…	…	…	…	·9	·4	·4	…	·5	1·0	…	7·9	5·4
18	…	·1	2·0	1·6	·6	·2	…	…	…	·7	·6	·7	1·2	…	1·2	…	…	…	…	…	…	…	…	…	8·9	3·9
19	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
20	…	…	…	…	…	…	…	…	…	…	…	…	·3	·1	…	…	…	…	…	…	…	·2	·2	·1	0·9	0·5
21	·1	1·2	1·4	1·8	2·1	3·0	·4	·6	·5	·1	…	…	…	…	…	…	…	·4	·3	…	…	…	…	…	11·9	6·7
22	…	·1	…	…	·1	·2	·2	·1	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·8	0·3
23	…	…	…	…	…	…	…	…	·4	·1	…	…	·5	·2	…	…	…	…	…	…	…	…	…	…	1·2	0·9
24	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·2	…	…	…	…	0·2	…
25	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
26	…	…	…	…	…	…	·1	·2	1·3	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	1·8	1·3
27	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
28	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
29	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
30	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
31	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
Sum.*	1·3	3·4	**7·7**	7·2	5·6	5·0	3·6	5·7	6·3	4·7	3·2	5·7	6·2	5·0	5·0	4·3	2·5	3·4	3·8	2·1	1·7	1·5	3·2	2·7	107·9	66·1
Total Duration.*	hr. 1·3	hr. 2·8	hr. 3·6	hr. 3·1	hr. 3·0	hr. 2·6	hr. 2·6	hr. **4·1**	hr. 3·4	hr. 3·0	hr. 1·8	hr. 2·9	hr. 4·0	hr. 3·5	hr. 3·0	hr. 2·9	hr. 2·1	hr. 2·9	hr. 2·6	hr. 2·3	hr. 1·6	hr. 1·4	hr. 2·6	hr. 3·0	hr. 66·1	

148. Eskdalemuir : H_r = 242·0 metres + 0·4 metres. **June, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr
1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
3	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
4	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·7	…	0·7	0·7
5	…	…	…	…	…	…	…	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·1	…
6	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
7	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
8	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
9	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	·2	…	·1	0·4	0·2
10	·5	·2	…	…	…	1·0	·6	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	2·3	1·6
11	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
12	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
13	·4	·5	·3	1·3	·4	·1	…	·1	·2	·4	·6	…	…	…	…	…	…	…	…	…	…	…	…	…	4·3	3·4
14	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·3	·7	·3	…	…	1·3	0·8
15	…	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·1	0·1
16	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
17	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
18	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·3	·1	·4	1·6	1·7	…	…	…	…	…	4·1	3·0
19	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
20	·5	·2	·7	·6	1·1	1·0	·5	·4	…	·4	·9	·6	·9	…	…	…	…	…	·1	…	…	…	…	…	7·9	9·4
21	…	…	…	…	…	…	…	…	…	…	…	1·2	·5	1·5	…	…	…	…	…	…	…	…	…	…	3·2	1·3
22	·4	·7	·1	·1	…	…	…	·1	·9	·3	·8	1·9	2·1	·3	…	·1	·3	·2	1·0	1·5	1·0	·9	2·1	2·7	**17·5**	**11·5**
23	·5	·2	·3	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	1·2	2·2
24	…	…	…	…	…	…	…	…	…	…	1·0	1·0	…	·2	…	…	…	…	…	…	…	…	…	…	2·2	1·1
25	…	…	…	·1	·3	·1	…	…	·5	…	…	…	…	·2	…	…	…	…	…	…	…	…	…	…	1·2	0·7
26	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·3	…	…	…	…	…	0·3	0·1
27	…	…	…	…	…	…	…	…	…	…	…	…	…	·3	·3	…	…	·3	·9	·6	1·3	·6	…	…	4·3	4·8
28	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
29	…	…	…	·1	·1	·1	…	…	·3	·1	…	1·7	·2	…	…	…	…	…	…	…	…	…	…	…	2·6	2·7
30	…	…	·2	·2	·1	…	…	…	3·1	…	1·2	3·2	2·0	·4	1·2	·2	…	…	…	…	…	…	…	…	11·8	3·6
Sum.	2·3	1·9	1·6	2·6	2·0	2·3	1·1	0·7	5·0	1·2	4·5	**9·6**	5·7	2·9	1·8	0·4	0·7	2·1	4·0	2·4	3·1	2·0	2·8	2·8	65·5	47·2
Total Duration.	hr. 2·1	hr. 2·6	hr. 2·3	hr. **3·8**	hr. 2·8	hr. 2·9	hr. 0·9	hr. 0·8	hr. 1·4	hr. 1·2	hr. 3·3	hr. 3·1	hr. 2·0	hr. 2·3	hr. 1·5	hr. 0·4	hr. 1·0	hr. 2·2	hr. 2·7	hr. 1·7	hr. 2·0	hr. 1·7	hr. 1·7	hr. 0·8	hr. 47·2	

G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24

* Sums of hourly amounts, total hourly duration and total duration refer to 30 days only. On 1st the amount of rain could not be distributed among the actual hours of fall but has been included in the daily total (0–24 h.).

Amounts, in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

149. Eskdalemuir : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres. **July, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	·4	·2	·2	·3	·5	2·1	·5	1·3	1·6	·5	·1	1·2	1·3	5·3	4·1	1·3	5·0	1·6	·5	·1	·4	·4	...	**28·9**	**16·2**
2	·1	...	...	...	1·0	2·0	·5	·2	...	·2	·5	...	...	·2	·4	...	...	·3	·1	...	·1	1·4	·8	·3	8·1	6·7
3	...	...	...	...	...	...	...	...	...	...	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	...	0·3	0·6
4	1·3	·4	...	·1	...	...	...	...	·9	...	...	...	...	...	·2	...	·2	·1	·7	·3	1·0	...	...	...	5·2	5·0
5	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·7	·9	2·1	2·8
6	·8	·9	·8	·9	5·0	1·7	3·3	4·0	3·0	3·0	2·3	·5	...	...	...	...	...	...	...	...	...	...	...	...	26·2	11·7
7	...	...	...	...	...	...	...	...	...	...	2·1	2·7	1·0	1·6	3·7	1·5	·7	...	...	...	...	...	...	...	13·3	4·2
8	...	·2	...	...	...	...	...	...	...	...	·1	...	·1	·4	...	...	·6	·9	1·0	·8	...	...	...	...	4·1	3·5
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	·3	·4	·9	·2	·1	·1	...	...	·1	·2	·1	·1	2·5	6·1
13	·6	·1	·1	·3	·2	·4	1·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	·8	1·8	6·9	6·7
14	·9	1·2	1·2	1·6	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·3	4·8
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	·1	·2	·2	·1	·6	·9	·1	...	...	...	...	...	...	...	...	...	...	...	·4	·3	·3	·2	3·4	8·6
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	0·2	0·2
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	·2	·5	1·1	·5	·5	·1	·6	·1	...	1·7	2·1	2·9	3·5	·8	·6	2·3	1·4	2·4	21·3	14·6
21	2·1	1·6	1·7	1·1	·2	·5	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	7·7	7·0
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·4	·2	·8	·3	...	...	...	1·8	2·2
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	*10·5	?
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	1·3	...	·2	...	1·1	1·4	3·1	1·0	·8	3·1	1·9	1·2	·2	...	...	...	...	·4	...	...	...	...	...	...	15·7	7·7
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	·1	·1	...	...	·3	1·5	2·1
31	·2	1·1	...	...	...	·5	...	·1	·6	...	·1	...	...	·8	2·8	·2	...	1·4	1·1	...	...	...	...	...	8·9	3·4
Sum.*	7·3	6·0	4·5	4·4	8·4	7·1	11·4	7·4	7·8	8·4	8·1	4·7	3·5	4·8	13·3	7·7	5·1	**11·7**	9·2	3·3	2·8	6·0	4·5	6·0	173·9	114·1
Total Duration.*	hr. 5·1	hr. 5·1	hr. 5·1	hr. 5·4	hr. 6·0	hr. 5·8	hr. 6·4	hr. 4·7	hr. 4·7	hr. 3·7	hr. 4·3	hr. 3·0	hr. 3·9	hr. 4·5	hr. 3·0	hr. 3·5	hr. 3·1	hr. **6·7**	hr. 5·1	hr. 4·0	hr. 4·6	hr. 5·3	hr. 5·4	hr. 5·1	hr. 114·1	

150. Eskdalemuir : H_r = 242·0 metres + 0·4 metres. **August, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm	hr.
1	...	...	...	...	·4	·1	...	·1	·2	·8	1·0	·6	·2	·5	...	...	...	...	...	·2	...	...	...	...	4·1	2·3
2	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	1·8	·1	·5	·1	...	...	...	...	...	2·8	1·2
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·2	·1	...	...	...	0·4	0·8
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	·4	1·3	...	·1	1·0	1·3	·4	1·3	·7	·4	·3	·5	·4	·5	·5	·2	...	·2	9·5	**12·6**
9	·2	·3	·5	·1	·2	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	2·8
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	·3	·4	·2	1·5	1·6	·2	·4	1·0	2·1	1·4	·8	·4	...	...	...	...	...	...	10·3	8·9
13	...	...	...	...	...	...	...	...	...	·4	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·8
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·4	·2	...	...	0·8	1·8
16	...	...	...	...	1·7	·9	1·6	3·6	2·5	1·2	·8	·8	...	...	...	...	...	...	...	...	·4	1·6	1·5	2·6	**19·2**	9·4
17	1·8	·3	·1	·1	·1	1·8	·9	·1	...	...	·8	...	...	1·5	2·5	·8	·2	·1	...	...	·1	...	...	...	11·2	8·9
18	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
19	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	1·2
20*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1*	?
21	...	...	·2	·5	...	...	·4	·5	·6	·5	...	·2	·1	·1	·2	·2	·1	...	...	...	·6	...	·1	...	4·3	5·8
22	...	...	...	...	...	...	1·0	·8	·4	...	...	...	...	...	...	...	·3	·8	·4	2·0	1·6	1·3	...	...	8·6	7·0
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·5	·5	·2	·5	...	...	...	·5	·4	·3	3·0	7·1
25	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·4
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·3	1·4	1·4	·5	·5	1·4	1·0	6·7	7·3
27	·7	·6	·6	·7	·7	·7	·4	·8	·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·1	7·3
28	...	...	...	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	1·3
29	...	...	...	...	·6	2·7	2·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·9	2·8
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	·1	·5	·1	...	·6	·6	·2	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	2·2	3·8
Sum.*	3·1	1·2	1·5	2·2	3·9	6·5	8·4	8·3	5·0	4·5	5·4	3·1	1·4	4·6	6·0	5·1	2·2	3·2	2·3	4·5	4·2	4·3	3·4	4·1	100·5	93·6
Total Duration.*	hr. 2·9	hr. 2·1	hr. 2·2	hr. 4·1	hr. 4·7	hr. 4·2	hr. 7·8	hr. 6·2	hr. 3·4	hr. 3·6	hr. 3·2	hr. 1·9	hr. 2·4	hr. 4·2	hr. 4·0	hr. 5·0	hr. 4·4	hr. 4·8	hr. 3·0	hr. 3·7	hr. 5·1	hr. 4·4	hr. 3·1	hr. 3·2	hr. 93·6	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

* Sums of hourly amounts, totals of hourly duration and the total duration refer to 30 days only. The amounts which fell on July 26th and August 20th could not be distributed among the actual hours of fall, but have been included in the daily totals (0–24 h.).

Amounts, in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

151. Eskdalemuir : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres. **September, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	·1	·6	·8	·6	·1	·4	...	...	...	...	...	...	2·6	3·6
2	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	·1	...	...	·1	·7	·3	·2	·1	·3	·3	·1	·2	·2	·2	·1	·1	·2	·3	3·5	13·8
13	·3	·1	·1	·2	·3	·1	·1	·1	·3	·7	1·3	·3	...	·5	·5	·3	...	...	...	...	...	...	...	...	5·2	13·9
14	...	...	...	...	·6	·1	...	...	·4	·5	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	2·0	3·0
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	·1	·2	·2	·3	·2	·4	·9	·2	3·5	1·6	2·8	1·4	·9	·5	1·2	·4	...	**14·8**	**14·7**
17	·2	...	...	...	...	·2	·1	...	...	·2	·4	3·0	1·9	1·1	1·2	...	...	·1	·1	...	·1	...	...	...	8·6	5·9
18	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	...	...	...	·2	·2	·1	...	...	...	0·7	0·6
19	·2	...	...	1·4	1·3	1·7	·7	·8	2·1	·8	·3	·2	·1	·1	...	·1	...	·2	...	·2	1·2	·2	...	...	11·6	11·0
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	0·4	0·8
21	·4	·5	1·2	·9	·1	·2	·5	·5	·4	·4	·9	·1	...	·3	...	...	·2	·3	·1	...	...	...	...	...	7·0	11·7
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	·8	·3	·7	·1	...	·2	·2	·3	...	...	·8	·4	·1	·1	...	...	...	...	...	4·0	7·0
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	*4·6	?
27*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	*0·4	?
28*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	*3·5	?
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	·1	·4	·8	·2	·1	·3	·9	2·0	2·0	·3	·4	·2	·2	7·9	8·0
Sum*	1·1	0·6	1·5	2·5	2·3	3·1	1·8	2·2	3·5	2·9	4·5	4·4	3·5	4·4	3·3	**5·7**	2·7	5·0	4·1	3·5	2·3	1·9	0·8	0·9	77·0	94·3
Total Duration.*	hr. 2·4	hr. 2·0	hr. 2·3	hr. 2·8	hr. 3·0	hr. 3·6	hr. 3·3	hr. 5·0	hr. 4·8	hr. 4·5	hr. **7·3**	hr. 6·7	hr. 3·5	hr. 6·7	hr. 5·5	hr. 5·7	hr. 2·7	hr. 4·9	hr. 3·5	hr. 3·4	hr. 3·8	hr. 3·1	hr. 1·8	hr. 2·0	hr. 94·3	

152. Eskdalemuir : H_r = 242·0 metres + 0·4 metres. **October, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	·5	·6	...	...	...	·1	...	1·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·5	1·8
3	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	...	·1	1·7	·6	·9	·8	1·0	·8	·5	6·7	6·7
4	·4	1·3	·7	·3	·9	1·3	·5	·8	·1	...	...	...	...	...	...	...	...	...	...	...	...	·1	·3	·2	6·9	10·9
5	·3	·2	·2	·2	·4	·1	·1	3·7	4·5	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	10·0	8·6
6	...	·1	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	3·0
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·1
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	...	...	...	...	...	...	...	...	...	0·6	0·4
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	·4	1·4	1·2
12	·6	·4	·8	2·3	5·8	1·0	·5	·6	·9	1·0	·9	·5	·8	1·6	2·6	1·9	3·6	2·2	2·6	1·7	·5	·2	...	...	**33·0**	**21·3**
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	·4	·4	...	...	...	...	0·9	0·7
20	...	...	...	·1	·1	...	...	·1	·4	·5	·2	...	...	·1	·1	·1	·1	...	...	...	...	·2	...	·1	2·1	3·8
21†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	†0·4	?
22†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	†0·5	?
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	0·2	0·2
27†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	†5·2	?
28†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	†6·2	?
29	...	...	...	·1	·2	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	3·0
30	...	...	...	...	...	...	·2	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·1
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	·2	...	·5	1·0	1·9
Sums*	1·3	2·5	2·4	3·2	**7·5**	2·5	1·5	5·4	7·1	1·7	1·1	0·5	0·8	1·8	3·6	2·1	3·9	3·9	3·6	3·3	1·5	1·8	2·1	1·7	79·1	63·7
Total* Duration.	hr. 2·8	hr. 4·3	hr. 3·9	hr. 3·5	hr. **5·0**	hr. 4·0	hr. 3·7	hr. 3·7	hr. 3·4	hr. 2·4	hr. 1·2	hr. 1·0	hr. 1·0	hr. 1·2	hr. 1·6	hr. 1·2	hr. 1·1	hr. 1·9	hr. 2·3	hr. 2·8	hr. 2·3	hr. 4·1	hr. 2·4	hr. 2·9	hr. 63·7	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

* The sums of hourly amounts, the totals of hourly duration and the total duration refer to 27 days only. Owing to defects in the autographic records the amounts which fell on 26th, 27th, 28th, could not be distributed among the hours of fall, but have been included in the daily totals (0–24 h.).

† The sums of hourly amounts, the totals of hourly duration and the total duration refer to 27 days only. The amounts on 21st, 22nd, 27th and 28th (snow) could not be distributed among the hours of fall, but have been included in the daily totals (0–24 h.).

Amounts, in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

153. Eskdalemuir : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres. **November, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	·7	1·2	2·7	5·2	4·3	4·1	3·2	2·6	5·6	·8	...	...	...	...	...	...	...	...	...	·1	·2	·3	...	...	30·5	9·7
2	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	·1	·2	·3	...	...	...	0·9	1·1
3	...	...	·3	·3	...	...	·2	1·9	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·3	2·6
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·8	·9	·2	·3	·6	...	·2	·1	·5	4·2	6·2
6	...	...	...	·7	1·2	1·5	·6	1·3	·3	1·2	·2	...	...	...	...	...	...	...	...	·4	·7	·9	1·0	...	10·0	11·3
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·3	...	...	...	...	...	0·5	1·2
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	·9	·7	·3	·9	1·0	1·9	4·3	3·7	2·1	1·3	1·2	·8	·8	·3	·1	·3	1·5	·6	...	...	**22·7**	**15·7**
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	·2	·3	·1	·3	·6	...	·2	·2	·2	·1	...	...	...	·1	·2	·1	·3	·2	·2	3·3	14·1
14	·1	...	...	...	·2	·4	·5	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	3·9
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	*0·3	?
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·2	·1	·1	0·7	2·0
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	*0·3	?
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	...	...	·2	...	0·8	1·0
26	...	...	...	·8	·1	...	...	...	1·2	·6	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	2·8	2·4
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	0·3	1·0
28	·3	·2	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·3	·1	...	...	...	...	1·6	4·1
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	·1	·3	·3	...	...	...	...	·3	·3	...	·1	·3	·4	·2	1·1	3·3	1·4	·2	...	·2	·1	...	...	...	8·6	10·4
Sum.*	1·2	1·7	3·6	7·1	6·7	6·9	5·1	7·7	**9·3**	5·1	4·7	4·2	2·7	1·7	3·0	4·9	3·1	1·2	1·2	2·2	3·5	2·2	1·4	1·3	92·3	86·7
Total Duration.*	hr. 3·0	hr. 2·6	hr. 2·4	hr. 2·5	hr. 4·8	hr. 4·9	hr. 4·7	hr. **6·4**	hr. 5·7	hr. 4·3	hr. 2·0	hr. 2·2	hr. 3·0	hr. 2·8	hr. 3·9	hr. 3·0	hr. 2·9	hr. 3·4	hr. 3·6	hr. 4·1	hr. 4·7	hr. 4·1	hr. 2·2	hr. 3·5	hr. 86·7	

154. Eskdalemuir : H_r = 242·0 metres + 0·4 metres. **December, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	·7	1·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	3·0
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	1·0	2·8	·1	·2	·2	...	...	...	...	...	4·5	2·8
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	†0·7	?
8	...	...	...	...	...	...	...	·1	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	1·2
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	·1	·1	·3	1·0	·9	·8	1·5	·9	·8	...	...	...	...	...	...	·1	·1	...	...	·3	...	·3	·2	·7	8·1	11·9
13	1·0	1·2	·4	·1	·6	·7	·8	·6	1·6	1·1	...	...	·3	...	·1	...	·6	·3	·8	1·2	1·1	3·8	2·4	1·2	19·9	**16·9**
14	1·0	·7	·8	·2	·7	·2	...	...	·4	·7	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	5·4	6·6
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	0·1	...
16	...	...	...	...	...	...	...	...	...	...	...	·2	·2	·2	...	...	...	·4	·4	·2	·3	·5	·2	·4	3·0	8·8
17	·4	·3	·2	·3	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	5·0
18†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	†10·7	?
19	...	...	...	1·1	2·1	·8	·6	2·1	·4	·2	·1	·1	·1	...	...	...	...	...	...	...	...	·5	·2	1·2	9·5	7·7
20	·2	...	·2	·4	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	0·9	3·3
21†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	†8·3	?
22†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	†18·2	?
23	·3	·8	2·8	2·4	·8	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7·5	4·8
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·8	·7	1·7	2·5
25	·5	1·0	2·0	2·3	1·7	4·0	2·2	3·6	2·8	2·4	...	...	...	...	1·4	·4	2·2	·2	·1	...	...	...	...	...	**26·8**	13·8
26	...	...	...	...	...	...	·3	...	·4	...	·2	·2	...	...	...	...	...	...	...	...	·1	·1	...	...	1·3	2·1
27	·8	·5	·1	·1	...	...	...	...	...	·1	·5	1·2	·1	·5	...	...	...	...	...	...	...	...	...	...	3·9	6·9
28	...	·3	1·3	...	...	...	...	...	...	...	...	·5	1·4	·3	...	...	...	...	...	·1	·2	·1	·8	·5	5·5	4·8
29	·3	·8	·7	...	...	·8	·1	...	...	...	...	...	...	...	...	...	...	...	...	·5	·4	...	...	...	3·6	5·7
30	...	...	...	·7	·4	1·3	1·4	·4	·9	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	5·5	6·2
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.†	4·6	6·4	**10·0**	8·8	7·4	9·0	7·1	7·7	7·3	4·8	1·5	2·6	2·1	1·0	2·5	3·3	3·1	1·1	1·5	2·3	2·1	5·5	4·7	4·7	149·0	114·0
Total Duration.†	hr. 7·7	hr. 9·0	hr. **10·6**	hr. 8·4	hr. 7·0	hr. 7·0	hr. 5·5	hr. 5·6	hr. 5·5	hr. 4·5	hr. 2·6	hr. 4·2	hr. 2·5	hr. 1·5	hr. 1·5	hr. 2·0	hr. 2·7	hr. 2·7	hr. 3·0	hr. 3·9	hr. 2·7	hr. 3·6	hr. 5·0	hr. 5·3	hr. 114·0	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

* The sums of hourly amounts, the totals of hourly duration and the total duration refer to 28 days only. The amounts which fell on 17th and 23rd could not be distributed among the hours of fall, but have been included in the daily totals (0–24 h.).

† The sums of hourly amounts, the totals of hourly duration and the total duration refer to 27 days only. The amounts of rain and snow which fell on 7th, 18th, 21st and 22nd, could not be distributed among the hours of fall, but have been included in the daily totals (0–24 h.).

DURATION OF BRIGHT SUNSHINE.

For periods of sixty minutes between the exact hours of Local Apparent Time.

155. Eskdalemuir : h_S (height of recorder above ground) = 1·5 metres. **January, 1922.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent of Possible.	Radiation by Ångström Pyrheliometer. Time. G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	—	—	—	…	…	…	…	…	…	…	…	—	—	—	—	—	…	…	…	…	…	…
2	—	—	—	—	—	…	·8	·9	1·0	1·0	·6	…	…	—	—	—	—	—	4·3	60	…	…	…	…
3	—	—	—	—	—	·1	1·0	1·0	1·0	1·0	1·0	·7	…	—	—	—	—	—	**5·8**	**81**	12 22	59	4·80	clear
4	—	—	—	—	—	·2	·5	·9	…	…	·4	·8	…	—	—	—	—	—	2·8	39	…	…	…	…
5	—	—	—	—	—	…	…	…	…	…	…	…	…	—	—	—	—	—	…	…	…	…	…	…
6	—	—	—	—	—	…	…	…	…	…	…	…	…	—	—	—	—	—	…	…	…	…	…	…
7	—	—	—	—	—	…	…	·1	·1	·1	·1	·3	…	—	—	—	—	—	0·7	10	…	…	…	…
8	—	—	—	—	—	…	·3	·5	·5	1·0	·6	…	…	—	—	—	—	—	2·9	40	…	…	…	…
9	—	—	—	—	—	…	…	…	…	…	…	…	…	—	—	—	—	—	…	…	…	…	…	…
10	—	—	—	—	—	…	…	·4	…	·3	·6	·1	…	—	—	—	—	—	1·4	19	…	…	…	…
11	—	—	—	—	—	…	·3	·1	…	·6	·4	…	…	—	—	—	—	—	1·4	19	…	…	…	…
12	—	—	—	—	—	…	·6	1·0	1·0	1·0	1·0	·7	…	—	—	—	—	—	5·3	71	…	…	…	…
13	—	—	—	—	—	…	…	…	…	…	…	…	…	—	—	—	—	—	…	…	…	…	…	…
14	—	—	—	—	—	…	…	…	·6	·9	…	…	…	—	—	—	—	—	1·5	20	…	…	…	…
15	—	—	—	—	—	…	…	…	…	…	…	…	…	—	—	—	—	—	…	…	…	…	…	…
16	—	—	—	—	—	…	…	…	…	…	…	…	…	—	—	—	—	—	…	…	…	…	…	…
17	—	—	—	—	—	…	·4	·4	·6	1·0	·6	·8	…	—	—	—	—	—	3·8	49	…	…	…	…
18	—	—	—	—	—	…	…	…	…	…	·1	…	…	—	—	—	—	—	0·1	1	…	…	…	…
19	—	—	—	—	—	…	…	…	…	…	…	·2	…	—	—	—	—	—	0·2	3	…	…	…	…
20	—	—	—	—	—	…	·1	…	·1	·3	·1	·2	…	—	—	—	—	—	0·8	10	…	…	…	…
21	—	—	—	—	—	…	…	…	…	…	…	…	…	—	—	—	—	—	…	…	…	…	…	…
22	—	—	—	—	—	…	·1	…	·1	·2	…	·6	…	—	—	—	—	—	1·0	3	…	…	…	…
23	—	—	—	—	—	…	…	…	…	…	…	…	…	—	—	—	—	—	…	…	…	…	…	…
24	—	—	—	—	—	…	…	·1	·4	·3	·2	·1	·4	—	—	—	—	—	1·5	19	…	…	…	…
25	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…	…
26	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…	…
27	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…	…
28	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…	…
29	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…	…
30	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…	…
31	—	—	—	—	…	…	…	…	…	…	·5	1·0	·2	…	—	—	—	—	1·7	20	…	…	…	…
Sum.	—	—	—	—	…	0·3	4·1	5·4	5·4	**7·7**	6·2	5·5	0·6	…	—	—	—	—	35·2	—	—	—	—	—
Mean.	—	—	—	—	…	·01	·13	·17	·17	**·25**	·20	·18	·02	…	—	—	—	—	1·14	15	—	—	—	—

156. Eskdalemuir : h_S = 1·5 metres. **February, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	—	—	…	·5	·3	·7	·9	·5	·8	·3	…	…	—	—	—	—	4·0	47	…	…	…	…
2	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…	…
3	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…	…
4	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…	…
5	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…	…
6	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…	…
7	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…	…
8	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…	…
9	—	—	—	—	…	…	…	…	…	…	…	…	·3	…	—	—	—	—	0·3	3	…	…	…	…
10	—	—	—	—	·4	·8	·5	·8	·7	…	·6	·7	…	…	—	—	—	—	4·5	49	…	…	…	…
11	—	—	—	—	…	…	·8	1·0	1·0	1·0	1·0	1·0	·0	…	—	—	—	—	**6·7**	**72**	…	…	…	…
12	—	—	—	—	·2	1·0	1·0	1·0	1·0	·6	·1	·7	…	…	—	—	—	—	5·6	60	…	…	…	…
13	—	—	—	—	…	…	…	…	…	…	…	·5	…	…	—	—	—	—	0·5	5	…	…	…	…
14	—	—	—	—	…	…	·3	·2	·3	·5	…	…	…	…	—	—	—	—	1·3	14	…	…	…	…
15	—	—	—	—	…	…	…	…	·8	·9	…	…	…	…	—	—	—	—	1·7	18	…	…	…	…
16	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…	…
17	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…	…
18	—	—	—	—	…	…	…	·2	·3	·5	·8	1·0	·7	·2	—	—	—	—	3·7	38	…	…	…	…
19	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…	…
20	—	—	—	—	·1	·9	·5	·0	·9	·3	·2	…	…	…	—	—	—	—	3·8	38	…	…	…	…
21	—	—	—	—	…	…	…	…	…	…	…	·1	·2	…	—	—	—	—	0·3	3	…	…	…	…
22	—	—	—	—	…	…	…	·6	1·0	·1	·2	·3	·1	…	—	—	—	—	2·3	23	…	…	…	…
23	—	—	—	…	·2	…	…	…	·1	·4	·2	·6	·1	…	…	—	—	—	1·6	16	…	…	…	…
24	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	—	—	—	…	…	…	…	…	…
25	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	—	—	—	…	…	…	…	…	…
26	—	—	—	…	…	…	…	·2	·2	·7	·5	·1	…	…	…	—	—	—	1·7	16	…	…	…	…
27	—	—	—	…	…	…	…	…	·1	…	…	…	·1	…	…	—	—	—	0·2	2	…	…	…	…
28	—	—	—	…	…	…	·7	·2	…	·2	…	·1	…	…	…	—	—	—	1·2	11	…	…	…	…
Sum	—	—	—	…	0·9	3·2	4·1	5·8	**7·3**	5·7	4·4	5·4	2·4	0·2	…	—	—	—	39·4	—	—	—	—	—
Mean	—	—	—	…	·03	·11	·15	·21	**·26**	·20	·16	·19	·09	·01	…	—	—	—	1·41	15	—	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent of Possible.	Time. G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.
																					Radiation by Ångström Pyrheliometer.			

For periods of sixty minutes, between the exact hours of Local Apparent Time.

157. Eskdalemuir : h_s (height of recorder above ground) = 1·5 metres. **March, 1922.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	—	...	...	...	·1	·7	·9	·5	·2	·3	·4	·1	...	—	—	—	3·2	30	...	...	...	...
2	—	—	—	...	...	·2	·7	·7	·9	·5	·7	·8	...	·2	...	—	—	—	4·7	44	...	...	...	...
3	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
4	—	—	—	...	·2	·1	·6	·5	·7	·8	1·0	1·0	1·0	·2	...	—	—	—	6·1	56	...	...	...	...
5	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
6	—	—	—	...	...	·3	·8	·4	·1	...	...	...	...	...	...	—	—	—	1·6	15	...	...	...	...
7	—	—	—	...	...	·4	·6	1·0	·5	·6	...	...	...	...	...	—	—	—	3·1	28	...	...	...	...
8	—	—	—	...	...	...	·2	·7	·4	...	...	...	·9	·6	...	—	—	—	2·8	25	...	...	...	...
9	—	—	—	...	...	...	...	...	...	·3	·4	·3	...	...	...	—	—	—	1·0	9	...	...	...	...
10	—	—	—	...	...	...	...	...	·3	·8	1·0	·8	1·0	·2	...	—	—	—	4·1	36	...	...	...	...
11	—	—	—	...	...	·1	...	·7	·2	1·0	·7	1·0	·8	·6	...	—	—	—	5·1	45	...	...	...	...
12	—	—	—	...	·2	·2	·4	·4	...	...	...	...	...	...	...	—	—	—	1·2	11	...	...	...	...
13	—	—	—	...	...	...	...	...	1·0	1·0	1·0	1·0	1·0	1·0	...	—	—	—	6·0	52	12 47	74	1·93	Clear
14	—	—	—	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·1	—	—	—	**10·3**	**89**	12 37	77	1·89	Slight haze.
15	—	—	—	·2	1·0	1·0	1·0	1·0	·6	·1	1·0	1·0	·9	...	...	—	—	—	7·8	67	...	...	...	...
16	—	—	—	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	...	—	—	—	8·8	75	...	...	...	...
17	—	—	—	...	...	·1	...	...	·6	·9	·6	1·0	·7	...	...	—	—	—	3·9	33	...	...	...	...
18	—	—	—	...	...	·4	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	—	—	—	8·4	71	...	...	...	...
19	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
20	—	—	—	...	...	·8	1·0	·6	·9	1·0	1·0	·8	·4	·5	·1	—	—	—	7·1	59	...	...	...	...
21	—	—	...	...	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	·5	...	—	—	7·3	60	...	...	...	...
22	—	—	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	—	—	0·1	1	...	...	...	...
23	—	—	...	...	...	...	...	·5	1·0	·5	·2	·1	...	·6	...	...	—	—	2·9	24	...	...	...	...
24	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
25	—	—	...	...	·8	1·0	1·0	1·0	1·0	·9	·1	...	...	·1	·5	...	—	—	6·4	51	...	...	...	...
26	—	—	...	...	...	...	·1	·8	·4	·7	·7	...	...	·6	...	...	—	—	3·3	26	...	...	—	...
27	—	—	...	...	·5	·6	...	...	·5	·3	·4	·8	·7	...	...	...	—	—	3·8	30	...	...	...	...
28	—	—	...	...	·4	·6	1·0	1·0	·9	·2	·3	·3	·8	1·0	·7	...	—	—	7·2	57	...	...	...	...
29	—	—	...	...	...	...	...	...	...	...	·5	...	...	...	...	...	—	—	0·5	4	...	...	...	...
30	—	—	...	...	·5	·9	·2	...	...	...	·4	·2	·2	...	...	...	—	—	2·4	19	...	...	...	...
31	—	—	...	·6	1·0	1·0	1·0	·9	·1	·2	·4	·4	·1	·6	...	...	—	—	6·3	49	...	...	...	...
Sum.	—	—	...	1·0	6·6	10·3	12·5	**15·0**	**15·0**	14·3	14·6	13·8	11·9	8·3	2·1	...	—	—	125·4	—	—	—	—	—
Mean.	—	—	...	·03	·21	·33	·40	**·48**	**·48**	·46	·47	·45	·38	·27	·07	...	—	—	4·05	34	—	—	—	—

158. Eskdalemuir : h_s = 1·5 metres. **April, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	...	·4	1·0	·9	·4	·3	·9	·3	·4	...	·1	...	...	...	—	—	4·7	30	...	...	...	...
2	—	—	...	·4	1·0	·8	·4	·2	...	...	·1	·1	...	...	...	...	—	—	3·0	23	...	...	...	...
3	—	—	...	...	...	...	·7	·9	·8	·3	·2	·4	·4	·9	·8	...	—	—	5·4	41	...	...	...	...
4	—	—	...	·9	1·0	·9	·9	·8	·1	·4	·1	·5	·2	...	·2	...	—	—	6·0	45	...	...	...	...
5	—	—	...	...	·1	1·0	·7	1·0	·7	·7	·9	...	·2	...	...	...	—	—	5·3	40	...	...	...	...
6	—	—	...	...	·2	1·0	1·0	·9	·4	·2	·1	·8	...	·7	...	...	—	—	5·3	40	...	...	...	...
7	—	—	...	...	...	·7	·8	1·0	·9	·2	·9	·9	·6	1·0	·3	...	—	—	7·3	54	...	...	...	...
8	—	—	...	...	...	...	...	...	·6	...	...	...	...	...	...	...	—	—	0·6	4	...	...	...	...
9	—	—	·1	1·0	1·0	1·0	·6	·1	·4	·5	1·0	·8	·6	·6	·9	...	—	—	8·6	63	...	...	...	...
10	—	—	...	...	·4	·2	...	·4	·6	·1	·3	·5	·7	·2	...	...	—	—	3·4	25	...	...	...	...
11	—	—	...	...	·3	·3	·6	·7	·6	...	·4	·6	·5	·7	·6	...	—	—	5·3	39	...	...	...	...
12	—	—	...	·1	·5	·4	·6	·6	·2	...	...	...	...	...	...	...	—	—	2·4	17	...	...	...	...
13	—	—	·2	·7	·5	·8	·6	·6	·9	·7	1·0	1·0	·5	...	·2	...	—	—	7·7	55	...	...	...	...
14	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
15	—	—	...	...	...	...	...	...	...	...	...	1·0	1·0	·4	·1	...	—	—	2·5	18	...	...	...	...
16	—	—	...	·6	·2	...	...	...	6	1·0	1·0	1·0	1·0	·4	·7	·2	—	—	6·7	47	...	...	...	...
17	—	...	·3	1·0	1·0	1·0	·9	·4	·5	·4	·3	...	...	·2	...	...	...	—	6·0	42	...	...	...	...
18	—	...	·5	1·0	1·0	·8	1·0	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	—	**12·5**	**88**	...	...	...	...
19	—	...	...	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	—	11·5	80	...	...	...	...
20	—	...	...	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	·5	·7	...	...	—	9·6	67	...	...	...	...
21	—	...	...	...	...	...	...	·5	1·0	1·0	·9	·7	·6	1·0	·3	...	...	—	6·0	41	...	...	...	...
22	—	...	...	...	...	...	·2	·7	·7	·4	·1	·1	...	...	·1	...	...	—	2·3	16	...	...	...	...
23	—	...	...	·3	·2	·2	·6	·5	·3	·4	·5	...	...	...	...	...	...	—	3·0	21	...	...	...	...
24	—	...	...	...	·2	...	...	·5	·6	·9	·4	·4	·6	...	·2	·1	...	—	3·9	27	...	...	...	...
25	—	...	...	...	...	·6	1·0	·9	1·0	1·0	1·0	·6	·2	·1	·3	...	...	—	6·7	45	...	...	...	...
26	—	...	...	·5	·6	...	·2	...	·4	·2	...	...	·2	·3	·5	...	...	—	2·9	20	...	...	...	...
27	—	...	...	·1	·6	·9	1·0	·9	·5	·3	·7	1·0	·5	·6	·7	...	...	—	7·8	52	...	...	...	...
28	—	...	...	...	·9	1·0	·9	·4	·4	...	...	...	...	·4	·9	...	...	—	4·9	33	...	...	...	...
29	—	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	...	...	—	0·6	4	...	...	...	...
30	—	...	...	...	·1	·1	·3	·7	...	...	·7	·9	...	·4	·3	...	...	—	3·5	23	...	...	...	...
Sum.	—	...	1·1	7·0	12·5	14·6	15·4	15·7	**16·1**	12·0	14·0	14·3	10·6	10·4	10·4	1·3	...	—	155·4	—	—	—	—	—
Mean.	—	...	·04	·23	·42	·49	·51	·52	**·54**	·40	·47	·48	·35	·35	·35	·04	...	—	5·18	37	—	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.
																					Radiation by Ångström Pyrheliometer.			

For periods of sixty minutes, between the exact hours of Local Apparent Time.

159. Eskdalemuir : h_s (height of recorder above ground) = 1·5 metres. **May, 1922.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	...	...	...	...	...	...	...	...	...	...	...	...	·2	·9	...	...	—	1·1	7	...	...	...	...
2	—	...	...	·6	1·0	1·0	1·0	·5	·9	·9	...	·5	·9	1·0	·9	·4	...	—	9·6	63	...	...	...	...
3	—	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·0	·3	...	—	1·4	9	...	...	...	...
4	—	...	...	...	·5	·8	1·0	·3	·1	·6	·8	·9	·4	·1	...	...	...	—	5·5	36	...	...	...	...
5	—	...	...	...	...	...	·1	1·0	1·0	·5	1·0	·9	·5	·4	1·0	·9	...	—	7·3	47	...	...	...	...
6	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
7	—	...	...	...	...	...	...	...	...	...	·2	·1	·4	1·0	1·0	·7	...	—	3·4	22	...	...	...	...
8	—	...	...	...	...	·1	·6	·7	·8	1·0	1·0	·3	·4	·3	·8	·4	...	—	6·4	41	...	...	...	...
9	—	...	1·0	1·0	1·0	1·0	1·0	·6	·8	·4	·3	·5	...	·8	...	...	...	—	8·4	53	...	...	...	...
10	—	...	...	·2	·3	·8	·3	...	...	...	...	...	...	...	...	...	...	—	1·6	10	...	...	...	...
11	—	...	...	·5	·9	1·0	·2	·8	·6	·2	...	...	...	...	...	...	...	—	4·2	27	...	...	...	...
12	—	...	...	·6	1·0	·4	·2	·5	·4	·1	...	...	·2	...	·3	·2	...	—	3·9	25	...	...	...	...
13	—	...	·4	·9	1·0	·7	·3	...	·1	·6	1·0	1·0	1·0	1·0	·4	...	...	—	8·4	53	...	...	...	...
14	—	...	·1	·7	·8	·3	...	·2	...	...	...	·3	·3	...	...	...	...	—	2·7	17	...	...	...	...
15	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	·1	·2	...	...	...	...	...	...	...	0·3	2	...	...	...	...
18	...	...	...	·5	·5	·5	·3	·1	·3	·1	·3	·4	·1	·6	·3	·1	...	...	4·1	25	...	...	...	...
19	...	...	·1	...	...	·2	...	...	...	·1	·5	·8	·9	1·0	1·0	·8	...	...	5·4	33	...	...	...	...
20	...	...	...	1·0	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	7	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	....	·9	·6	·4	·2	...	·3	·3	·9	·6	·2	...	...	4·4	27	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	·3	·5	·6	...	...	...	1·4	9	...	...	...	...
24	...	...	·2	·2	...	...	·1	...	·5	·4	·4	...	·2	...	...	...	...	...	2·0	12	...	...	...	...
25	...	...	·8	1·0	1·0	1·0	1·0	·9	·6	·5	1·0	·6	1·0	1·0	·5	·4	·2	...	11·5	69	...	...	...	...
26	...	...	...	...	...	...	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	9·0	54	...	...	...	...
27	...	...	...	·2	·5	·9	·2	·6	·6	·5	1·0	·9	1·0	1·0	·9	·7	·2	...	9·2	55	...	...	...	...
28	...	...	...	...	...	...	...	·3	·9	...	·3	·2	...	...	·2	·8	·2	...	2·9	17	...	...	...	...
29	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	·9	·8	·8	·8	·7	1·0	·9	·7	...	...	13·5	80	...	...	...	...
30	...	...	...	...	·9	·7	·8	1·0	1·0	1·0	·7	...	·1	...	·1	·2	...	...	6·5	39	...	...	...	...
31	...	·3	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	**14·5**	**86**	12 37	85	1·20	Slight haze.
Sum.	...	1·2	4·5	9·4	11·5	11·4	10·0	10·7	11·9	10·0	11·5	10·5	10·7	12·9	**13·4**	8·8	1·3	...	149·7	—	—	—	—	—
Mean.	...	·04	·15	·30	·37	·37	·32	·35	·38	·32	·37	·34	·35	·42	**·43**	·28	·04	...	4·83	30	—	—	—	—

160. Eskdalemuir : h_s = 1·5 metres. **June, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	...	...	·6	·5	·9	·6	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	...	...	10·8	64	12 26	80	1·18	Slight haze.
2	...	...	·2	·7	·4	1·0	1·0	·9	·8	·3	·2	·7	·6	1·0	1·0	1·0	·5	...	10·3	61	...	...	...	...
3	...	...	...	·2	·1	·5	·7	·6	·8	·8	1·0	1·0	1·0	·6	·6	·8	·4	...	9·1	53	...	...	...	...
4	...	...	·1	·1	·1	·4	...	·1	...	·6	·4	·3	...	...	...	...	...	...	2·1	12	...	...	...	...
5	...	·2	...	·5	·3	·4	...	·2	·4	·3	·1	·1	...	...	...	...	...	...	2·5	15	...	...	...	...
6	...	...	...	·4	·3	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	12·0	70	...	...	...	...
7	...	·2	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	...	...	**12·8**	**75**	...	...	...	...
8	...	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	·9	·7	·7	·9	·1	·4	...	...	...	10·6	62	12 16	44	1·18	Ci.-St. (halo) haze.
9	...	...	·1	...	·2	·1	·2	...	...	...	...	...	...	...	...	...	...	...	0·6	3	...	...	...	...
10	...	...	...	...	...	·5	·3	·7	·8	·2	·8	1·0	1·0	·7	·3	1·0	·4	...	7·7	45	...	...	...	...
11	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	·1	...	·2	·1	·3	·2	...	9·3	54	...	...	...	...
12	...	·2	·3	·1	·2	·2	·1	...	·3	...	...	·4	·4	·6	·7	1·0	·2	...	4·7	27	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	·3	·3	...	·8	1·0	·5	...	2·9	17	...	...	...	...
14	·2	1·0	·8	·9	·4	·3	·7	·3	·2	·4	...	...	·1	...	...	...	...	...	5·3	31	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	1·0	·4	...	...	1·6	9	...	...	...	...
17	...	...	...	·6	...	·4	·4	·9	·9	·7	·6	·8	·7	·6	·6	...	...	...	7·2	41	...	...	...	...
18	·1	·9	1·0	1·0	1·0	·2	...	...	...	...	...	...	...	...	...	...	...	...	4·2	24	...	...	...	...
19	...	...	...	...	...	...	...	...	...	·3	·3	·2	·3	·1	·1	...	...	...	1·3	7	...	...	...	...
20	...	...	...	...	...	·3	...	...	...	...	·6	·5	1·0	·7	·7	...	·4	...	4·2	24	...	...	...	...
21	...	·4	·6	1·0	·3	·6	·6	·5	·2	...	...	...	...	...	·4	...	...	...	4·6	27	...	...	...	...
22	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	1	...	...	...	...
23	...	...	...	...	...	...	...	...	·1	·5	·9	·3	·1	...	...	...	·3	...	2·2	13	...	...	...	...
24	...	...	...	...	...	...	...	...	...	·2	·1	·7	·8	·8	·3	·2	...	...	3·1	18	...	...	...	...
25	...	...	...	·1	·8	·7	·5	·3	·4	·8	·9	1·0	·7	·9	·8	1·0	·2	...	9·1	52	...	...	...	...
26	...	·3	...	...	...	...	...	...	·3	...	...	·1	...	...	...	...	...	...	0·7	4	...	...	...	...
27	...	·1	...	·3	·9	·1	...	...	...	...	...	...	...	...	...	...	...	...	1·4	8	...	...	...	...
28	...	...	·3	·8	·1	·5	·9	·3	·9	·8	·6	·7	1·0	1·0	1·0	1·0	·8	...	10·7	62	...	...	...	...
29	...	...	...	·2	·7	·3	·4	·3	·6	·6	·8	·7	1·0	1·0	1·0	1·0	·1	...	8·7	50	...	...	...	...
30	...	...	...	·6	·6	·3	·7	·8	·3	·1	·5	·5	·5	·2	·2	...	...	...	5·3	31	...	...	...	...
Sum	0·3	4·2	6·7	11·0	10·3	11·1	11·4	10·9	12·0	11·0	11·5	13·1	**13·4**	11·7	12·3	9·7	4·6	...	165·2	-	-	-	-	-
Mean	·01	·14	·22	·37	·34	·37	·38	·36	·40	·37	·38	·44	**·45**	·39	·41	·32	·15	...	5·51	32	—	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent of Possible.	Radiation by Ångstrom Pyrheliometer. Time G.M.T.	Intensity.	$p\ p_0$ sec. Z.	Sky.

For periods of sixty minutes between the exact hours of Local Apparent Time.

161. Eskdalemuir : h_S (height of recorder above ground) = 1·5 metres. **July, 1922.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time. G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	·1	·5	·3	·2	...	...	...	...	...	...	1·1	6	...	...	...	...
3	...	...	·1	·5	...	...	...	...	...	·4	·8	·9	·8	·1	·1	·5	...	...	4·2	24	...	...	...	...
4	...	...	...	...	...	...	·4	·7	·7	·9	·4	·5	·6	·1	...	...	...	...	4·3	25	...	...	...	...
5	...	...	·6	·3	...	...	·2	·5	·1	...	...	...	...	·6	...	...	...	...	2·3	13	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	·1	·3	·2	·6	·9	·2	·1	...	2·4	14	...	...	...	...
7	...	...	...	...	·2	·6	·6	·7	·3	·1	·2	...	...	4	·9	·2	...	...	4·2	25	...	...	...	...
8	...	...	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	2	...	...	...	...
9	...	...	·4	·2	·1	·4	...	·1	·9	·3	...	...	...	...	...	...	...	...	2·4	14	...	...	...	...
10	...	...	·1	·5	·4	1·0	1·0	1·0	·6	·2	·2	...	...	...	...	....	...	...	5·0	29	...	...	...	...
11	...	...	...	·1	·1	...	...	...	...	...	·1	·1	...	...	...	·8	·8	...	2·0	12	...	...	...	...
12	...	...	·4	·9	1·0	·1	...	...	...	...	...	...	...	...	...	...	...	...	2·4	14	...	...	...	...
13	...	...	...	...	...	...	...	...	...	·1	...	·2	·4	...	...	...	...	...	0·7	4	...	...	...	...
14	...	...	...	...	1·0	·7	·9	1·0	·9	·9	·9	1·0	·9	1·0	·8	1·0	1·0	...	**12·0**	**71**	...	...	...	...
15	...	...	·3	1·0	·8	1·0	·5	...	...	·4	·8	·1	...	...	...	·1	...	...	5·0	30	...	...	...	...
16	...	...	...	...	...	...	·2	·2	...	...	·1	·4	·1	·1	...	·1	...	...	1·2	7	...	...	...	...
17	...	...	...	...	...	...	...	...	·1	...	...	·3	·6	·2	...	...	...	...	1·2	7	...	...	...	...
18	...	...	·1	·6	·4	...	·1	·6	·3	·1	·2	1·0	1·0	1·0	1·0	1·0	·7	...	8·1	49	...	...	...	...
19	...	·6	·4	...	...	...	...	·2	·4	·3	·5	·6	1·0	1·0	·6	·2	...	...	5·8	35	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	·4	·3	·8	·5	·3	·2	·1	...	...	...	2·6	16	...	...	...	...
22	...	·4	1·0	1·0	1·0	·5	...	·4	·1	·2	·8	·4	·7	·9	1·0	1·0	·5	...	9·9	60	...	...	...	...
23	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	2	...	...	...	...
24	...	...	·2	·6	·1	·2	·1	...	...	...	...	...	...	...	...	...	...	...	1·2	7	...	...	...	...
25	...	...	...	·1	...	...	·5	...	·4	·2	...	...	·1	·4	·6	·4	...	...	2·7	17	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	·3	·8	·7	·4	·7	·3	·6	1·0	·8	·8	1·0	1·0	·2	...	...	...	8·6	53	...	...	...	...
28	...	...	...	...	·9	·2	...	...	...	...	...	...	...	...	...	...	...	...	1·1	7	...	...	...	...
29	...	...	...	...	...	...	...	...	...	·1	·5	...	...	...	...	...	...	...	0·6	4	...	...	...	...
30	—	...	...	...	·3	·1	·4	·2	·6	·6	·9	1·0	·6	·4	...	...	...	—	5·1	32	...	...	...	...
31	—	...	...	...	·6	·9	·5	·9	·9	·4	·2	·3	·8	·3	·1	...	...	—	5·9	37	...	...	...	...
Sum.	...	1·0	4·2	7·0	7·6	6·1	6·1	6·8	7·4	7·0	8·6	8·6	**9·1**	8·3	6·3	5·5	3·1	...	102·7	—	—	—	—	—
Mean.	...	·03	·14	·23	·25	·20	·20	·22	·24	·23	·28	·28	**·29**	·27	·20	·18	·10	...	3·31	20	—	—	—	—

162. Eskdalemuir : h_S = 1·5 metres. **August, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	...	...	...	...	·4	·3	·2	·5	·9	·8	·9	·4	·1	...	...	...	—	4·5	28	...	...	...	...
2	—	...	...	·1	...	...	...	...	...	·1	·4	·3	...	...	...	...	...	—	0·9	6	...	...	...	...
3	—	...	...	·9	·6	...	·6	·8	1·0	·7	...	·2	·1	...	...	...	...	—	4·9	31	...	...	...	...
4	—	...	·2	·7	1·0	·5	...	...	·1	...	·3	...	...	·3	...	...	...	—	3·1	20	...	...	...	...
5	—	...	...	...	...	...	...	...	...	...	·8	·1	·4	·3	·4	...	...	—	2·0	13	...	...	...	...
6	—	...	...	...	...	·3	·2	·6	·5	·9	·2	·3	...	...	...	...	...	—	3·0	19	...	...	...	...
7	—	...	...	·8	·9	·2	·2	·7	...	...	...	...	...	...	...	...	...	—	2·8	18	...	...	...	...
8	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
9	—	...	...	...	...	...	·2	·1	...	·5	·3	·1	·2	·9	·7	...	...	—	3·0	19	...	...	...	...
10	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
11	—	...	...	...	...	·7	·2	·4	·1	·2	...	·3	·5	·9	1·0	·8	...	—	5·1	33	...	...	...	...
12	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	—	0·2	1	...	...	...	...
13	—	...	...	·9	·5	·1	·7	·9	·9	·9	·9	·8	·8	·4	·1	·5	...	—	8·4	55	...	...	...	...
14	—	...	1·0	1·0	·7	...	·4	·3	·2	...	...	...	...	...	...	·2	...	—	3·8	25	...	...	...	...
15	—	...	...	...	·2	·5	·4	·7	·1	...	...	...	...	...	...	...	...	—	1·9	13	...	...	...	...
16	—	...	...	...	...	...	...	...	...	...	...	·2	·3	·2	...	...	...	—	0·7	5	...	...	...	...
17	—	...	...	·3	1·0	1·0	·5	·6	·6	·4	...	...	...	·2	...	...	...	—	4·6	31	...	...	...	...
18	—	...	...	·1	·4	·9	·8	·8	1·0	1·0	1·0	·9	1·0	1·0	1·0	·6	...	—	**10·5**	**71**	...	...	...	...
19	—	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	—	0·1	1	...	...	...	...
20	—	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	0·4	3	...	...	...	...
21	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
22	—	...	...	...	...	...	...	·7	·4	·2	...	...	...	...	...	...	...	—	1·3	9	...	...	...	...
23	—	...	·1	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	·9	·6	·2	...	·3	...	—	8·9	62	...	...	...	...
24	—	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	0·4	3	...	...	...	...
25	—	...	...	...	...	...	...	·1	·5	·8	1·0	1·0	1·0	1·0	1·0	·8	...	—	7·2	50	...	...	...	...
26	—	...	...	·8	1·0	1·0	·5	·3	...	·1	·1	·6	...	...	...	...	...	—	4·4	31	...	...	...	...
27	—	...	...	...	...	...	·3	·6	·2	...	·3	·4	·4	·5	...	...	...	—	2·7	19	...	...	...	...
28	—	—	...	...	·4	·9	1·0	1·0	1·0	·8	·5	·9	·4	·4	...	...	—	—	7·3	52	12·40	62	1·40	St.-Cu.
29	—	—	...	...	...	...	...	·8	1·0	1·0	1·0	·7	·8	·6	...	...	—	—	5·9	42	...	...	...	...
30	—	—	...	·4	·6	1·0	1·0	·6	...	·3	·5	...	·8	·4	...	...	—	—	5·6	40	...	...	...	...
31	—	—	...	...	...	·8	·9	·6	...	...	...	...	...	...	...	...	—	—	2·3	17	...	...	...	...
Sum.	—	...	2·1	6·0	8·1	9·3	9·2	**11·8**	9·1	9·8	9·1	8·6	7·8	7·4	4·2	3·4	...	—	105·9	—	...	...	...	...
Mean.	—	...	·07	·19	·26	·30	·30	**·38**	·29	·32	·29	·28	·25	·24	·14	·11	...	—	3·42	23	...	...	...	...

Hour. L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time. G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

163. Eskdalemuir : h_S (height of recorder above ground) = 1·5 metres. **September, 1922.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	…	·5	·1	…	…	…	…	…	…	…	…	…	…	…	—	—	0·6	4	…	…	…	…
2	—	—	…	…	…	…	…	…	…	…	…	·2	·1	·4	…	…	—	—	0·7	5	…	…	…	…
3	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…	…	…	…	…
4	—	—	…	…	…	…	…	·4	1·0	1·0	·8	1·0	1·0	1·0	1·0	·1	—	—	7·3	54	…	…	…	…
5	—	—	…	…	…	…	…	…	·6	·8	·4	·7	·9	·2	…	…	—	—	3·6	27	…	…	…	…
6	—	—	…	·1	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	…	—	—	10·5	78	12 34	50	1·52	Ci.-St.
7	—	—	…	…	…	·8	·8	·8	1·0	1·0	1·0	1·0	1·0	1·0	·8	…	—	—	9·2	69	…	…	…	…
8	—	—	…	…	…	·3	·1	…	…	…	…	…	…	…	…	…	—	—	0·4	3	…	…	…	…
9	—	—	…	·8	1·0	1·0	·9	1·0	1·0	1·0	·9	·9	·8	·9	1·0	…	—	—	**11·2**	85	…	…	…	…
10	—	—	…	·7	·4	·8	·6	…	·4	1·0	1·0	1·0	1·0	·4	…	…	—	—	7·3	56	…	…	…	…
11	—	—	…	…	…	…	·5	…	…	…	…	…	…	…	…	…	—	—	0·5	4	…	…	…	…
12	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…	…	…	…	…
13	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…	…	…	…	…
14	—	—	…	…	…	…	…	…	…	…	·2	…	…	·2	·3	…	—	—	0·7	5	…	…	…	…
15	—	—	…	·8	1·0	1·0	·9	·5	·7	·7	1·0	1·0	·8	·5	·2	…	—	—	9·1	71	…	…	…	…
16	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…	…	…	…	…
17	—	—	…	…	·4	·1	·1	…	…	·4	·4	·9	1·0	·8	…	…	—	—	4·1	33	…	…	…	…
18	—	—	…	·1	·4	·7	·1	·5	·3	·1	·2	·1	…	…	…	…	—	—	2·5	20	…	…	…	…
19	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…	…	…	…	…
20	—	—	…	…	·3	·2	·4	·7	·4	·2	·1	·2	…	·2	…	…	—	—	2·7	22	…	…	…	…
21	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…	…	…	…	…
22	—	—	…	…	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	…	—	—	10·2	83	…	…	…	…
23	—	—	…	·1	1·0	1·0	·4	·3	·3	·3	·4	·3	…	…	…	…	—	—	4·1	34	…	…	…	…
24	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	—	—	—	…	…	…	…	…	…
25	—	—	—	…	…	…	…	·3	…	…	·3	·1	…	…	…	—	—	—	0·7	6	…	…	…	…
26	—	—	—	…	…	…	…	…	…	…	…	…	·2	…	…	—	—	—	0·2	2	…	…	…	…
27	—	—	—	…	…	·1	·4	·5	·4	·5	·2	·4	…	…	…	—	—	—	2·5	21	…	…	..	…
28	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	—	—	—	…	…	…	…	…	…
29	—	—	—	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	…	—	—	—	10·1	**86**	…	…	…	…
30	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	—	—	—	…	…	…	…	…	…
Sum.	—	—	…	3·3	7·3	9·0	8·2	8·0	9·1	10·0	9·9	**10·8**	9·8	8·5	4·2	·1	—	—	98·2	—	—		—	—
Mean.	—	—	…	·11	·24	·30	·27	·27	·30	·33	·33	**·36**	·33	·28	·14	·00	—	—	3·27	26			—	—

164. Eskdalemuir : h_S = 1·5 metres. **October, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	—	…	…	1·0	1·0	·8	·6	…	…	·3	…	…	…	…	—	—	3·7	32	…	…	…	…
2	—	—	—	…	…	…	·2	1·0	·9	·5	·2	…	…	·1	·1	…	—	—	3·0	26	…	…	…	…
3	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…	…	…	…	…
4	—	—	—	…	…	…	·1	…	·1	…	…	…	…	…	…	…	—	—	0·2	2	…	…	…	…
5	—	—	—	…	…	…	…	…	…	·2	…	…	…	·2	…	…	—	—	0·4	3	…	…	…	…
6	—	—	—	…	·2	·3	·6	·9	·9	·7	1·0	1·0	1·0	1·0	…	…	—	—	7·6	68	…	…	…	…
7	—	—	—	…	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	…	…	—	—	**9·8**	88	…	…	…	…
8	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…	…	…	…	…
9	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…	…	…	…	…
10	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…	…	…	…	…
11	—	—	—	…	·1	1·0	1·0	1·0	1·0	1·0	1·0	·9	·7	·2	…	…	—	—	7·9	73	…	…	…	…
12	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…	…	…	…	…
13	—	—	—	…	…	·6	1·0	·7	·8	1·0	…	·1	·3	…	…	…	—	—	4·5	42	…	…	…	…
14	—	—	—	…	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	…	…	—	—	8·9	84	12 21	66	2·22	Clear
15	—	—	—	…	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	…	…	—	—	9·6	**91**	…	…	…	…
16	—	—	—	…	·6	·7	·6	1·0	1·0	1·0	1·0	1·0	1·0	·6	…	…	—	—	8·5	81	…	…	…	…
17	—	—	—	…	…	·3	1·0	1·0	1·0	1·0	1·0	1·0	·6	·5	…	…	—	—	7·4	71	…	…	…	…
18	—	—	—	…	…	…	·2	·2	·2	…	…	·1	…	…	…	…	—	—	0·7	5	…	…	…	…
19	—	—	—	…	·1	·1	·2	·6	·9	·6	·8	·1	·7	·2	…	…	—	—	4·3	42	…	…	…	…
20	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…	…	…	…	…
21	—	—	—	—	…	…	…	…	1·0	·9	…	…	…	…	—	—	—	—	1·9	19	…	…	…	…
22	—	—	—	—	…	…	…	…	…	…	…	·5	·1	…	—	—	—	—	0·6	6	…	…	…	…
23	—	—	—	—	·3	·2	·3	·5	…	…	·3	·1	…	…	—	—	—	—	1·7	17	…	…	…	…
24	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…	…
25	—	—	—	—	·3	…	…	1·0	·6	·1	·3	·3	·2	…	—	—	—	—	2·8	29	…	…	…	…
26	—	—	—	—	…	·2	·5	…	…	…	·1	·6	·4	…	—	—	—	—	1·8	19	…	…	…	…
27	—	—	—	—	·1	·9	·6	·4	·5	·7	·6	·8	·4	…	—	—	—	—	5·0	52	…	…	…	…
28	—	—	—	—	…	·2	·8	·9	·4	1·0	1·0	·7	…	…	—	—	—	—	5·0	52	…	…	…	…
29	—	—	—	—	…	…	·2	·6	·8	·8	…	…	…	…	—	—	—	—	2·4	25	…	…	…	…
30	—	—	—	—	…	…	…	·7	·9	·9	·6	·4	·6	·1	—	—	—	—	4·2	45	…	…	…	…
31	—	—	—	—	…	…	…	·5	·9	·9	·6	·1	·1	…	—	—	—	—	3·1	33	…	…	…	…
Sum.	—	—	—	…	3·9	8·5	11·3	14·8	**15·5**	14·3	11·5	11·0	9·1	5·0	·1	—	—	—	105·0	—	—	—	—	—
Mean	—	—	—	…	·13	·27	·30	·48	**·50**	·40	·37	·35	·29	·16	—	—	—	—	3·39	33	—	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation by Ångstrom Pyrheliometer. Time G.M.T.	Intensity	p/p_0 sec. Z	Sky.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

165. Eskdalemuir : h_S (height of recorder above ground) = 1·5 metres. **November, 1922.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	—	—	...	...	...	...	·9	1·0	·8	·9	1·0	...	—	—	—	—	4·6	50	...	...	...	...
2	—	—	—	—	...	·1	1·0	·8	1·0	1·0	1·0	·6	·7	...	—	—	—	—	6·2	67	...	...	...	...
3	—	—	—	—	...	·1	...	...	·2	·6	1·0	·6	·4	...	—	—	—	—	2·9	32	...	...	...	...
4	—	—	—	—	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	—	—	—	—	**8·4**	**93**	...	...	...	...
5	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
6	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
7	—	—	—	—	...	...	1·0	1·0	·8	·5	·6	·4	...	...	—	—	—	—	4·3	49	...	...	...	...
8	—	—	—	—	...	...	...	·3	·4	...	...	...	...	...	—	—	—	—	0·7	8	...	...	...	...
9	—	—	—	—	...	·8	·9	·8	·3	·3	...	...	...	...	—	—	—	—	3·1	36	...	...	...	...
10	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
11	—	—	—	—	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	—	—	—	—	7·7	90	...	...	...	...
12	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
13	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
14	—	—	—	—	...	·3	·3	1·0	...	...	...	...	...	...	—	—	—	—	1·6	19	...	...	...	...
15	—	—	—	—	...	...	·9	1·0	1·0	1·0	·7	·1	...	...	—	—	—	—	4·7	56	...	...	...	...
16	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
17	—	—	—	—	...	...	...	...	·2	·1	1·0	...	...	...	—	—	—	—	1·3	16	...	...	...	...
18	—	—	—	—	...	·9	·5	...	·1	·1	...	·1	...	...	—	—	—	—	1·7	21	...	...	...	...
19	—	—	—	—	—	...	...	·6	1·0	1·0	1·0	1·0	·6	—	—	—	—	—	5·2	64	...	...	...	...
20	—	—	—	—	—	...	·6	1·0	1·0	1·0	·6	...	...	—	—	—	—	—	4·2	52	...	...	...	...
21	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
22	—	—	—	—	—	·1	...	...	...	...	·2	·7	...	—	—	—	—	—	1·0	13	...	...	...	...
23	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
24	—	—	—	—	—	...	·8	1·0	1·0	1·0	1·0	1·0	·1	—	—	—	—	—	5·9	75	12 9	50	4·10	Ci. St.
25	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
26	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
27	—	—	—	—	—	...	...	...	...	·1	...	...	...	—	—	—	—	—	0·1	1	...	...	...	...
28	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
29	—	—	—	—	—	...	...	...	·3	·4	·9	·2	...	—	—	—	—	—	1·8	24	...	...	...	...
30	—	—	—	—	—	...	·1	...	...	...	...	...	...	—	—	—	—	—	0·1	1	...	...	...	...
Sum.	—	—	—	—	0·4	4·3	8·1	9·5	10·2	10·1	**10·8**	7·6	4·5	...	—	—	—	—	65·5	—	—	—	—	—
Mean.	—	—	—	—	·01	·14	·27	·32	·34	·34	**·36**	·25	·15	...	—	—	—	—	2·18	26	—	—	—	—

166. Eskdalemuir : h_S = 1·5 metres. **December, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	—	—	—	...	·1	·7	1·0	1·0	1·0	1·0	...	—	—	—	—	—	**4·8**	**51**	...	...	...	...
2	—	—	—	—	—	...	...	·3	...	·5	·3	...	...	—	—	—	—	—	1·1	15	...	...	...	...
3	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
4	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
5	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
6	—	—	—	—	—	...	...	1·0	1·0	·7	...	...	...	—	—	—	—	—	2·7	37	...	...	...	...
7	—	—	—	—	—	...	...	...	...	·3	·3	·6	...	—	—	—	—	—	1·2	17	...	...	...	...
8	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
9	—	—	—	—	—	·1	...	·5	...	...	...	·7	...	—	—	—	—	—	1·3	18	...	...	...	...
10	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
11	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
12	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
13	—	—	—	—	—	...	...	...	·3	...	...	...	...	—	—	—	—	—	0·3	4	...	...	...	...
14	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
15	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
16	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
17	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
18	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
19	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
20	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
21	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
22	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
23	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
24	—	—	—	—	—	...	·5	·8	1·0	1·0	·8	...	...	—	—	—	—	—	4·1	59	...	...	...	...
25	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
26	—	—	—	—	—	...	...	...	·1	...	...	...	...	—	—	—	—	—	0·1	1	...	...	...	...
27	—	—	—	—	—	...	...	...	·3	·3	...	...	...	—	—	—	—	—	0·6	9	...	...	...	...
28	—	—	—	—	—	...	...	...	...	...	·2	...	...	—	—	—	—	—	0·2	3	...	...	...	...
29	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
30	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
31	—	—	—	—	—	...	...	...	...	...	·4	·2	...	—	—	—	—	—	0·6	9	...	...	...	...
Sum.	—	—	—	—	—	0·1	0·6	3·3	3·7	**3·8**	3·0	2·5	...	—	—	—	—	—	17·0	—	—	—	—	—
Mean.	—	—	—	—	—	·00	·02	·11	**·12**	**·12**	·10	·08	...	—	—	—	—	—	0·55	8	—	—	—	—
Annual Total.	0·3	6·4	18·6	44·7	69·1	88·2	101·0	117·7	**122·7**	115·7	115·1	111·7	89·9	72·7	53·0	28·8	9·0	...	1164·6	—	—	—	—	—
Annual Mean.	0·00	0·02	0·05	0·12	0·19	0·24	0·28	0·32	**0·34**	0·32	0·32	0·31	0·25	0·20	0·15	0·08	0·02	...	3·19	26	—	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.

Direction expressed in degrees from North ($E = 90°$, $S = 180°$, $W = 270°$, $N = 360°$). Speed in metres per second.

167. Eskdalemuir : H_a (height of head of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	220	11·7	220	15·1	240	18·6	230	14·7	230	14·3	230	12·8	230	13·1	250	15·3	260	15·8	270	17·3	250	17·1	260	17·0
2	240	13·6	250	14·8	270	15·2	270	14·8	270	12·8	280	12·1	290	14·3	290	15·7	290	16·4	280	16·5	290	17·1	280	18·1
3	310	13·0	300	13·7	300	10·8	300	9·0	290	9·1	300	10·3	290	12·1	310	11·5	310	10·8	310	10·4	310	10·7	310	11·0
4	330	13·3	330	13·2	330	12·1	330	11·3	330	11·6	340	11·3	330	11·9	330	11·2	320	9·8	310	7·1	330	8·2	330	7·4
5	360	11·8	360	10·5	350	9·5	340	7·7	350	8·2	340	7·7	340	6·5	330	6·1	340	5·7	340	6·8	330	6·4	340	7·2
6	—	0·7	—	0·0	—	0·0	—	0·0	—	0·1	—	0·5	—	0·3	—	0·4	—	0·2	—	0·1	—	0·2	—	0·0
7	†	1·7	†	2·8	—	1·0	—	1·5	210	2·5	230	2·9	—	0·7	—	0·3	—	0·7	270	2·0	300	2·7	—	1·5
8	160	6·1	170	10·7	180	9·9	180	11·2	180	11·9	190	10·1	240	8·6	250	7·0	250	8·3	240	9·4	260	6·7	260	5·6
9	150	2·9	160	2·7	160	2·9	180	5·8	180	6·1	180	4·9	180	4·4	190	6·8	200	10·7	190	10·4	190	12·6	190	12·7
10	230	6·8	220	6·6	220	6·4	240	7·1	230	6·3	220	6·7	210	7·2	210	7·2	200	7·4	220	6·6	240	7·3	230	10·7
11	260	7·7	260	8·0	260	7·0	260	6·8	240	8·0	250	7·7	240	8·3	230	7·1	250	8·2	260	8·6	280	10·1	290	9·9
12	350	6·3	340	9·2	330	9·0	340	7·2	350	3·5	350	4·1	350	1·7	20	3·4	20	3·2	360	4·2	—	1·4	10	3·0
13	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	†	—	0·0	—	0·0	—	0·0
14	—	1·1	—	1·5	40	2·4	50	3·4	40	3·9	50	3·9	60	2·8	50	4·0	70	2·0	—	1·1	—	1·6	—	1·3
15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	140	5·9	150	7·0	150	7·3	150	7·6	150	7·8
16	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	—	0·0	—	0·1	—	1·1
17	†	3·3	†	3·1	†	3·4	†	3·3	†	3·9	†	4·8	†	3·8	†	3·6	—	1·5	—	0·0	—	0·0	—	0·0
18	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	*	*	*	*	*	*	*	*	160	8·3	150	7·9	160	5·5
19	—	0·0	—	0·0	—	0·0	—	0·2	—	0·6	—	1·1	—	0·5	—	1·4	160	4·9	160	3·7	180	3·4	190	2·9
20	190	4·3	160	4·6	150	4·4	160	2·8	—	0·3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
21	140	6·8	130	6·0	130	7·2	140	8·1	150	7·6	150	9·5	150	8·9	150	10·7	150	12·5	150	13·4	150	14·0	150	11·3
22	190	5·3	200	5·3	200	5·7	190	4·2	190	4·3	190	2·2	—	0·2	—	1·2	—	1·0	—	0·5	—	0·0	—	1·3
23	—	0·2	—	0·8	—	1·0	—	1·0	—	0·7	†	1·9	90	3·0	110	2·7	110	3·1	80	1·6	110	5·1	130	5·1
24	110	7·2	100	9·3	100	8·7	90	8·9	90	9·5	90	11·6	90	12·4	90	12·3	80	12·1	80	12·2	80	12·3	80	12·5
25	70	6·2	80	6·8	100	7·6	110	7·4	100	7·1	100	6·3	120	8·3	110	8·6	80	6·8	90	6·9	90	10·8	80	10·7
26	110	12·5	110	11·1	130	10·0	130	8·2	130	4·9	120	2·3	100	2·7	80	3·9	70	3·1	70	4·6	80	7·1	90	6·7
27	100	6·6	100	7·6	90	6·9	90	7·2	100	7·6	90	6·8	70	8·5	90	7·3	60	5·4	80	5·5	60	5·7	80	6·6
28	80	11·0	80	13·1	80	10·2	80	10·0	90	10·9	100	9·6	110	9·4	100	9·2	110	9·3	110	7·8	100	6·0	80	3·0
29	130	5·4	120	4·4	120	5·8	130	8·3	130	7·8	130	6·7	140	6·4	130	7·0	130	5·8	140	5·5	140	5·0	140	5·4
30	—	1·4	—	0·9	—	0·0	—	0·0	—	0·3	—	0·5	—	0·7	—	1·2	—	1·3	—	0·3	—	0·7	—	0·1
31	150	3·9	150	4·7	160	5·5	160	4·4	170	3·7	170	2·0	160	2·0	—	1·2	—	1·2	170	2·2	160	1·7	—	1·5
Mean‡...	—	6·3	—	**6·9**	—	6·7	—	6·5	—	6·2	—	5·9	—	5·9	—	6·2	—	6·2	—	6·1	—	6·4	—	6·4

168. Eskdalemuir : $H_a = 235$ metres + 15 metres.

Day.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·0	—	0·0	—	0·0	—	0·0	—	1·0	360	2·2	300	5·1	290	3·5	270	3·0	270	4·1	270	5·5	260	6·7
2	—	0·0	—	0·0	—	0·5	—	0·3	130	3·1	120	3·6	110	4·1	120	5·6	130	5·1	130	6·3	130	2·9	130	3·5
3	40	1·8	—	1·4	—	1·5	50	4·4	50	3·3	40	4·4	40	3·9	50	2·4	70	4·7	40	5·3	40	5·0	40	6·5
4	80	4·9	80	5·3	90	4·9	100	3·6	100	5·3	†	5·4	†	4·7	†	4·2	†	4·7	†	5·1	†	5·5	†	5·5
5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0 0	—	0·0	—	0·0	—	0·0	—	1·3
6	—	0·1	—	0·3	—	1·5	†	2·4	—	1·3	†	1·8	—	0·5	—	0·3	—	0·1	—	0·2	†	2·1	†	3·0
7	170	5·6	180	5·5	170	4·8	†	4·2	†	2·5	†	2·2	†	2·2	†	3·4	†	1·9	170	1·6	170	2·5	160	2·9
8	200	8·6	210	10·1	210	10·9	210	9·3	200	8·6	200	8·2	200	5·7	—	1·5	160	1·6	—	0·0	—	0·2	—	1·5
9	—	0·1	—	1·5	—	0·6	—	0·1	—	0·8	—	1·0	30	2·0	†	1·9	†	1·8	360	2·5	360	2·0	—	0·6
10	—	0·1	—	0·2	—	0·6	—	1·3	—	1·4	—	1·3	—	1·5	—	0·6	—	0·0	—	0·3	190	2·9	200	2·5
11	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
13	—	0·0	—	0·0	†	2·8	†	4·6	190	5·3	190	3·9	200	1·6	—	1·5	—	1·4	190	2·7	200	3·5	210	5·0
14	270	4·5	270	2·7	—	0·0	—	0·6	—	1·3	250	2·3	220	3·5	210	3·6	210	3·5	240	3·6	250	4·1	250	4·0
15	200	1·9	200	3·9	180	5·0	180	5·1	180	4·1	180	4·8	190	3·6	180	2·2	—	0·9	—	0·0	—	0·0	280	3·6
16	—	0·1	—	0·0	—	0·2	—	0·4	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
17	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	0·1	—	0·2	—	1·5	—	0·3	70	3·4	60	2·9	60	1·7
18	250	13·3	240	11·8	240	12·8	240	10·7	250	12·2	260	10·5	270	8·1	300	10·1	300	10·5	300	9·9	300	9·1	300	8·9
19	—	1·3	†	1·7	—	0·5	—	1·5	—	1·3	†	3·2	190	5·1	190	5·9	180	5·5	170	3·6	170	2·3	190	1·8
20	250	5·7	260	7·1	†	5·5	†	6·3	†	8·2	†	9·1	†	11·2	†	9·9	240	9·0	230	8·2	240	8·4	240	8·9
21	170	5·5	170	5·3	170	6·4	160	5·5	160	5·9	160	5·8	160	5·6	170	5·0	180	8·9	190	5·8	180	7·5	220	7·8
22	210	8·3	210	9·1	210	8·8	190	10·0	200	9·7	190	10·8	190	8·8	190	7·2	200	8·8	200	3·7	250	6·6	200	10·6
23	160	3·0	—	1·2	230	3·4	240	5·6	250	5·9	250	9·0	250	8·7	250	9·1	230	8·2	220	9·0	230	9·0	230	9·1
24	210	7·3	210	9·0	220	9·7	220	10·2	210	11·5	210	11·3	210	10·8	210	12·2	210	13·5	210	13·2	210	14·7	210	15·2
25	200	17·2	200	17·3	200	17·2	200	17·0	200	15·1	200	16·7	200	16·5	200	17·3	200	16·9	200	17·2	200	17·2	200	16·2
26	210	8·3	220	8·3	210	11·2	210	11·3	190	10·7	190	10·5	190	11·4	180	10·0	170	9·6	180	12·9	210	11·6	210	10·2
27	210	2·8	210	5·3	230	9·6	240	11·4	230	7·3	220	5·8	230	4·1	230	3·4	210	5·4	200	6·8	200	11·0	200	10·8
28	190	2·7	190	2·7	180	3·6	180	4·7	190	5·4	200	6·6	190	7·8	220	9·5	240	11·5	230	8·7	220	10·1	220	11·5
Mean ...	—	**3·7**	—	3·9	—	4·4	—	4·7	—	4·7	—	5·0	—	4·9	—	4·7	—	5·0	—	4·8	—	5·4	—	5·9
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

* Head of anemometer frozen or choked with snow. † Defective record.

Average for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

January, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
260	17·2	270	16·2	260	15·1	260	12·2	270	12·9	260	12·8	260	12·4	260	10·8	240	13·1	250	13·3	250	13·3	260	11·4	**14·3**	1
280	14·8	280	13·9	290	13·7	300	15·1	310	14·9	310	13·1	300	11·0	300	11·8	290	11·1	300	12·1	310	13·6	310	11·8	14·1	2
320	11·4	310	8·3	310	7·6	330	9·1	340	8·6	330	8·3	330	10·0	330	11·1	330	13·1	330	12·9	330	12·7	330	13·2	10·8	3
350	6·8	350	11·6	350	10·7	360	9·2	10	9·3	360	8·7	360	9·2	360	10·7	360	10·9	360	9·8	360	10·1	360	10·8	10·3	4
330	6·6	320	5·8	320	4·1	320	4·6	300	5·4	300	4·8	310	5·3	320	4·9	—	0·9	—	1·3	—	0·5	—	0·1	6·0	5
—	0·1	—	0·0	—	0·0	—	0·6	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·4	—	1·0	—	0·6	**0·2**	6
—	0·5	—	0·5	190	3·1	200	2·0	—	0·2	—	0·5	—	1·0	170	1·9	180	2·2	160	5·1	180	5·8	160	4·9	1·9	7
270	7·1	270	6·0	240	5·4	230	5·4	230	4·9	210	6·0	220	5·3	210	4·1	220	5·0	230	5·1	150	2·9	150	2·6	6·9	8
210	13·5	260	9·7	260	9·3	240	8·9	230	5·8	220	6·4	220	6·9	240	7·9	240	8·8	240	8·0	240	8·1	240	7·9	7·6	9
260	8·5	250	9·5	250	9·9	250	10·0	250	10·6	250	10·8	250	10·4	260	10·1	250	10·0	250	10·0	250	9·5	250	8·0	8·5	10
300	10·4	300	9·7	300	8·5	300	8·8	330	11·5	330	11·9	340	9·9	360	9·1	360	9·5	350	10·7	360	9·0	360	7·4	8·9	11
360	2·4	360	1·8	—	1·1	—	0·7	—	0·8	—	0·2	—	0·1	—	0·1	—	0·2	—	0·0	—	0·0	—	0·0	2·8	12
—	0·3	—	0·5	—	1·0	190	2·0	180	1·9	180	2·7	180	2·0	—	0·6	—	0·6	—	0·0	—	0·0	—	0·0	—	13
—	0·7	50	3·4	40	3·2	50	1·6	50	3·2	50	1·9	—	0·8	—	0·5	—	0·6	—	0·6	—	0·1	—	0·0	1·9	14
150	8·1	150	7·1	150	6·4	150	7·4	150	5·8	150	4·9	150	4·4	150	3·8	150	2·9	*	*	*	*	*	*	—	15
—	1·4	†	1·7	†	3·1	†	2·7	†	3·3	†	3·3	†	2·7	†	1·6	†	3·7	†	3·6	†	2·6	†	3·8	—	16
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1·4	17
170	6·1	190	6·1	200	4·2	200	4·6	200	4·6	200	4·3	190	2·9	190	3·2	—	0·8	—	0·2	—	0·0	—	0·0	—	18
200	3·8	210	4·1	220	6·4	210	7·9	190	5·4	190	4·7	200	4·4	200	4·0	200	2·1	200	2·0	200	4·0	200	4·6	2·9	19
—	0·5	170	1·8	—	1·4	160	2·4	170	1·7	—	0·3	—	0·0	—	0·0	—	1·5	160	4·4	150	6·7	150	6·8	1·8	20
160	10·6	160	10·3	170	7·4	180	8·0	200	7·0	190	4·7	170	4·4	180	3·3	190	2·6	170	3·7	160	2·7	180	3·2	7·7	21
170	2·6	160	3·4	170	2·2	160	1·7	—	0·9	—	0·5	—	0·3	—	0·0	—	0·0	—	0·4	—	0·6	—	0·5	1·9	22
120	3·3	100	3·6	100	6·5	100	8·0	90	6·2	90	5·8	120	9·2	110	8·9	90	7·9	80	6·6	90	6·8	90	6·4	4·3	23
90	10·6	80	11·5	80	10·0	80	9·1	80	8·9	70	7·4	70	6·7	80	7·9	70	5·4	60	3·8	80	6·5	70	6·0	9·3	24
90	10·5	90	10·2	100	10·6	90	8·9	90	7·4	90	10·1	100	12·3	80	10·3	80	12·5	80	13·4	80	11·1	90	9·4	9·1	25
90	5·7	70	6·8	80	8·1	80	5·1	110	6·5	110	6·1	110	4·9	100	6·8	100	6·1	100	7·3	100	5·9	90	5·8	6·4	26
80	8·4	80	8·4	90	6·7	70	7·0	70	5·9	70	7·4	80	10·7	70	10·3	70	9·1	70	10·8	80	10·6	80	10·6	7·7	27
100	2·7	60	2·4	70	3·3	50	1·8	—	1·4	—	1·2	—	0·8	—	0·9	—	1·4	110	4·0	120	4·7	120	4·9	5·9	28
150	6·1	150	4·7	150	4·6	150	4·3	170	2·3	—	0·5	—	0·3	—	0·1	—	0·3	†	1·8	†	2·0	—	0·5	4·3	29
—	1·5	150	2·2	150	2·6	140	2·7	130	2·6	130	2·4	100	2·2	120	2·1	—	1·4	130	2·4	140	2·1	130	2·0	1·4	30
160	2·2	200	3·2	200	2·4	200	1·7	—	0·4	—	0·1	—	0·5	—	0·3	—	0·2	—	0·0	—	0·0	—	0·0	1·9	31
—	6·2	—	6·3	—	6·1	—	5·8	—	5·4	—	5·1	—	5·1	—	5·1	—	**5·0**	—	5·5	—	5·6	—	5·2	5·9	‡

February, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
250	6·7	250	6·8	240	5·5	250	4·8	230	1·8	230	2·4	250	2·0	—	0·2	—	0·1	—	0·1	—	0·0	—	0·0	2·6	1
120	2·0	—	0·9	—	0·5	—	0·7	—	0·1	—	0·0	—	0·0	—	0·2	—	0·0	—	0·0	—	1·3	—	1·5	1·7	2
40	6·6	50	7·5	50	6·9	50	6·1	50	6·3	50	6·2	60	5·7	60	5·4	70	6·6	70	6·2	70	4·8	70	4·6	4·8	3
†	5·6	†	5·3	†	4·7	†	3·7	†	2·5	†	1·6	†	2·2	—	0·2	—	0·7	—	0·0	—	0·0	—	0·0	3·7	4
†	1·8	†	1·6	†	2·8	†	1·9	—	0·5	—	1·4	—	1·0	—	0·1	—	0·5	—	0·4	—	0·2	—	0·3	0·6	5
†	2·8	—	1·5	—	1·2	—	0·5	†	1·6	†	1·8	—	1·5	—	0·2	—	0·7	—	0·6	—	0·0	†	1·9	1·1	6
160	2·2	160	4·9	160	5·0	160	7·3	170	7·0	170	6·2	170	6·8	180	6·4	190	6·6	200	8·9	200	8·6	190	7·2	4·7	7
—	1·0	—	0·5	—	0·4	—	0·0	—	0·0	—	0·0	—	0·4	—	0·0	—	0·5	—	0·1	—	0·0	—	0·0	3·0	8
—	0·1	—	0·0	—	0·2	—	0·8	—	1·0	—	0·7	—	0·8	—	0·9	—	1·0	—	0·7	—	0·5	—	0·5	0·9	9
210	2·8	210	2·3	—	0·7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	0·8	10
—	0·3	—	1·2	210	2·5	—	0·1	—	0·0	—	0·0	—	0·1	—	0·1	—	0·0	—	1·0	—	0·5	—	0·0	**0·2**	11
50	2·6	40	2·8	30	4·1	10	4·5	10	2·3	50	2·9	50	5·3	†	4·1	†	2·1	†	1·6	—	0·0	—	0·0	1·9	12
220	3·9	260	6·3	260	6·8	260	5·4	270	6·2	300	7·8	290	6·9	300	7·2	300	6·0	300	3·0	300	3·5	300	4·4	4·1	13
260	3·8	260	3·6	250	3·3	240	4·0	240	2·9	230	3·2	240	3·1	—	1·5	—	1·3	—	1·4	—	0·3	200	1·9	2·7	14
290	6·3	300	5·1	300	3·3	—	1·3	—	0·5	—	0·8	—	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	2·2	15
240	2·1	—	1·5	280	3·5	—	1·5	—	1·0	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	0·5	16
50	2·5	—	1·0	—	0·4	—	1·4	150	1·6	210	5·8	240	10·2	240	10·8	220	10·3	230	10·8	230	10·7	230	11·0	3·4	17
300	8·8	300	9·9	300	8·9	310	9·2	300	6·2	300	7·4	300	9·3	310	6·0	280	4·1	†	3·0	†	3·5	†	1·9	8·8	18
190	5·7	200	8·9	200	10·5	200	8·8	270	8·8	260	8·8	250	10·0	260	10·1	290	11·6	300	12·1	290	8·5	270	5·8	5·9	19
240	9·5	240	9·1	240	8·5	230	10·0	230	12·0	230	11·0	230	10·5	230	7·0	210	7·1	190	6·3	190	7·6	190	6·8	8·4	20
230	9·8	250	11·7	230	9·8	230	10·6	230	7·5	210	6·5	190	7·9	190	6·0	180	5·2	170	7·7	190	6·2	210	7·0	7·1	21
260	7·8	260	9·0	240	8·2	240	7·3	240	7·3	220	4·2	180	2·5	180	1·8	180	3·0	200	4·4	200	4·9	170	4·6	7·0	22
230	9·3	230	8·5	230	7·4	220	5·5	200	4·5	200	5·2	210	5·2	220	7·6	220	7·0	210	7·1	210	8·1	210	7·2	6·8	23
210	16·5	210	16·6	200	17·1	210	17·0	210	17·5	210	18·3	210	19·9	210	18·5	210	19·3	210	17·3	210	18·5	200	18·6	14·5	24
200	15·8	200	13·6	210	11·5	200	12·5	190	11·2	190	10·0	190	14·3	200	18·6	220	16·2	230	12·2	230	11·5	220	9·0	**15·1**	25
220	11·4	220	11·4	220	8·8	210	6·9	210	7·9	220	10·4	220	8·3	220	8·7	230	8·3	230	6·5	230	6·8	240	5·1	9·5	26
200	9·9	200	13·1	200	12·7	240	9·8	230	9·8	220	7·2	240	9·5	220	5·0	210	5·2	200	3·9	200	4·0	200	3·6	7·4	27
220	11·4	210	12·1	220	12·7	220	10·6	200	11·4	200	11·3	200	11·0	200	10·5	200	11·1	200	10·2	210	8·0	200	7·6	8·8	28
—	6·0	—	**6·3**	—	6·0	—	5·4	—	5·0	—	5·1	—	5·5	—	4·9	—	4·8	—	4·5	—	4·2	—	3·9	4·9	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

‡ Mean for 27 days only, omitting 13th, 15th, 16th, 18th.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second.

169. Eskdalemuir : H_a (height of head of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	210	6·8	210	7·5	230	8·0	230	7·1	240	7·3	240	8·6	240	9·8	240	9·1	230	7·9	230	9·1	230	9·7	230	8·0
2	280	5·5	290	7·4	290	9·4	290	9·7	270	5·6	260	5·3	260	5·3	260	4·6	250	4·8	270	4·8	270	3·6	270	4·6
3	180	3·0	170	3·8	170	3·6	210	2·3	—	1·0	200	4·8	180	5·8	190	7·6	200	9·8	200	10·1	210	10·7	220	9·2
4	170	4·7	200	5·7	180	6·5	190	8·4	190	8·2	190	9·1	220	10·2	210	7·7	230	7·9	260	7·8	260	7·0	260	8·4
5	210	5·2	210	8·9	210	10·7	200	11·7	190	13·7	190	12·3	180	9·8	190	15·0	200	15·3	200	15·1	210	15·0	210	15·0
6	230	6·2	230	6·0	220	9·3	220	8·4	210	7·6	210	7·1	210	6·6	200	6·6	200	8·8	210	10·0	210	10·7	200	12·4
7	240	6·5	210	3·8	200	5·1	210	6·2	230	5·0	200	3·3	220	4·9	—	1·5	240	2·4	220	3·0	220	6·0	220	7·1
8	240	6·2	240	5·3	240	3·8	250	4·1	220	2·1	—	1·4	—	0·0	—	0·0	—	0·0	—	0·0	220	4·9	230	6·7
9	220	4·0	210	2·5	220	6·3	220	7·4	220	3·9	230	4·3	230	3·1	—	1·0	—	0·6	10	3·2	10	3·4	20	5·6
10	10	4·1	360	4·5	360	4·8	360	5·3	360	4·1	360	7·4	350	6·0	360	6·1	360	5·9	350	6·7	350	5·0	10	6·7
11	—	0·5	210	3·6	210	3·7	230	4·5	220	4·1	280	8·2	300	9·9	300	5·7	300	4·9	290	5·3	300	7·8	300	6·8
12	—	1·0	—	0·0	—	0·0	—	0·2	—	0·1	—	0·3	—	0·3	—	0·3	—	0·4	30	3·9	40	5·1	60	4·9
13	10	1·6	—	1·5	20	2·5	20	2·7	30	2·8	30	2·5	50	3·0	60	3·6	40	2·7	30	3·6	30	3·8	60	4·6
14	360	2·4	360	2·4	360	2·3	—	1·4	—	1·4	—	1·2	350	2·2	10	2·8	20	3·0	50	2·6	60	4·9	50	6·9
15	—	0·9	—	1·0	10	4·0	10	3·5	360	3·4	—	1·2	—	1·0	—	0·4	60	5·2	40	3·8	50	4·9	40	4·7
16	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·2	—	1·4	—	1·5	40	3·1	50	5·0	60	5·3	40	5·5
17	20	4·8	20	3·6	30	3·7	30	5·2	30	4·7	30	3·0	20	3·7	20	4·6	20	5·5	30	5·7	30	4·8	30	5·6
18	20	3·1	10	3·4	10	3·6	360	3·1	10	3·2	20	3·2	10	3·7	10	4·2	20	4·3	30	3·7	40	4·3	10	3·6
19	30	4·0	30	3·6	20	3·2	20	3·1	30	2·2	30	1·6	—	1·2	—	0·9	—	0·9	—	0·7	—	0·7	50	1·6
20	20	8·0	20	7·2	20	4·9	20	4·3	20	5·2	20	5·8	20	4·6	20	4·7	10	8·7	360	10·6	360	8·3	360	9·1
21	360	9·6	350	10·5	360	9·5	360	9·4	10	10·2	10	10·4	10	10·4	20	10·7	20	11·7	20	11·4	40	13·4	40	14·1
22	†	3·6	†	3·4	—	1·5	†	2·5	†	3·1	†	3·8	†	1·6	20	2·2	20	4·1	20	4·9	20	5·3	30	5·2
23	360	1·8	—	0·8	—	0·5	—	1·1	—	0·8	—	1·0	—	1·4	10	1·9	10	2·1	30	1·9	40	1·6	—	1·5
24	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	170	1·7	160	3·0	160	3·6	160	4·7	160	5·3
25	—	0·0	—	0·0	—	0·1	—	0·1	—	0·0	—	0·0	—	0·0	290	1·8	—	1·4	290	2·3	280	3·2	260	2·9
26	—	1·5	10	3·1	30	6·4	40	5·1	20	5·1	20	4·4	20	5·0	30	5·1	20	4·8	30	5·1	20	5·3	20	5·9
27	340	8·1	340	7·1	350	7·7	360	6·9	360	6·5	360	7·6	360	5·1	360	5·3	340	6·6	350	5·5	350	5·7	350	6·8
28	20	8·0	20	7·1	20	6·5	20	5·1	20	5·7	20	5·3	20	7·0	20	9·2	20	8·4	20	8·5	20	8·4	20	9·4
29	360	4·1	—	0·8	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	360	2·4	330	3·0	360	4·3	350	4·2	350	4·1
30	—	0·7	—	1·5	340	3·3	—	1·1	—	1·0	—	0·8	—	0·9	10	3·7	20	4·2	40	5·0	20	4·7	10	5·1
31	†	4·6	†	4·5	†	4·1	†	3·9	†	4·5	†	4·4	†	3·3	60	3·0	60	3·1	60	5·1	80	5·7	90	6·0
Mean ...	—	3·9	—	3·9	—	4·3	—	4·3	—	3·9	—	4·1	—	4·1	—	4·3	—	5·0	—	5·6	—	6·1	—	**6·6**

170. Eskdalemuir : H_a = 235 metres + 15 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	†	3·2	†	2·3	†	4·1	†	3·6	—	1·0	—	1·1	20	4·0	20	5·0	30	4·0	30	4·3	20	3·3	360	2·8
2	300	1·9	—	0·0	—	0·0	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·3	—	1·0	290	2·0	330	2·2
3	—	1·2	†	1·7	†	3·0	†	3·8	†	4·2	†	3·7	†	6·9	60	7·1	50	7·1	60	7·2	60	7·5	50	8·1
4	†	3·1	†	2·3	†	2·1	†	4·8	—	0·7	—	0·1	360	1·9	10	3·5	350	3·1	350	2·7	340	2·8	350	2·5
5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	1·2	100	2·2	—	1·5
6	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	0·0	—	0·0	—	0·0	130	1·8	210	3·6	250	2·6	—	1·5
7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·7	—	1·5	—	1·5	170	1·8
8	—	0·3	—	0·3	—	0·6	350	1·6	10	2·1	—	1·0	—	1·1	10	2·8	60	4·4	†	3·5	†	4·7	120	4·3
9	60	2·1	60	2·5	60	3·0	—	1·0	—	1·0	—	0·5	40	1·8	60	3·9	60	4·2	110	3·6	130	4·0	130	3·4
10	—	0·6	—	0·6	—	0·6	—	0·7	—	0·7	—	0·4	—	0·3	150	3·0	150	4·2	180	4·8	180	4·5	190	4·6
11	—	0·3	—	0·8	—	1·0	—	1·5	†	1·6	†	2·9	—	1·3	30	2·1	20	2·6	60	2·6	90	2·6	150	4·1
12	—	0·0	—	0·0	—	0·0	—	0·0	—	1·5	210	3·9	230	3·1	230	3·0	240	2·0	220	2·6	180	2·9	—	1·5
13	350	8·1	340	8·5	320	6·8	300	4·9	270	6·8	260	7·5	260	6·7	270	6·4	270	7·2	280	6·9	270	7·2	260	10·1
14	—	0·0	—	0·1	—	0·2	—	1·4	310	1·9	10	2·1	60	5·7	50	5·4	60	4·8	70	4·8	60	5·5	50	4·9
15	150	5·8	160	5·5	160	4·5	160	5·7	160	5·9	170	8·2	180	11·7	180	15·2	180	18·5	190	18·6	190	18·2	200	18·1
16	10	4·8	20	7·7	10	5·8	20	5·2	10	8·2	360	7·4	360	8·5	350	4·8	350	10·3	350	10·5	350	11·6	340	10·8
17	—	1·5	—	1·2	350	1·8	330	3·0	—	1·5	340	2·7	350	6·2	340	7·6	340	6·8	360	5·7	10	5·8	10	5·9
18	360	2·3	360	3·2	360	2·1	360	2·2	360	2·5	—	0·8	—	0·8	30	4·0	40	5·0	40	4·6	40	4·4	50	4·8
19	—	0·3	—	0·5	—	0·7	—	0·5	—	0·7	—	0·0	—	0·0	—	0·1	—	0·6	140	1·7	170	2·3	190	2·9
20	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·6	—	1·0	—	1·4	†	1·6
21	—	0·0	—	0·0	—	0·0	—	0·0	—	0·3	—	0·1	—	0·4	—	0·7	180	1·7	170	1·7	190	2·8	210	3·5
22	—	0·1	—	0·2	—	0·0	320	1·6	310	3·2	—	0·4	†	1·0	310	3·4	310	3·2	310	4·7	310	3·8	320	4·0
23	—	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	0·8	340	2·6	230	4·0	220	2·5	†	5·6
24	240	5·5	250	4·8	250	5·4	250	2·7	250	2·7	220	3·5	280	7·5	280	5·2	270	5·5	280	8·4	280	9·3	280	10·7
25	290	12·5	300	14·7	300	16·4	300	15·0	290	9·8	280	9·5	280	9·9	280	7·3	260	5·2	270	5·6	270	5·9	250	6·2
26	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	1·2	†	2·5	†	1·9	50	4·7	60	6·2	50	6·7
27	20	4·3	10	5·6	10	6·2	20	6·1	10	5·0	10	5·9	10	6·2	10	6·6	20	8·0	10	8·2	10	8·0	10	7·2
28	320	5·5	310	6·3	320	6·9	310	5·0	330	7·1	340	6·9	340	5·8	340	6·6	340	7·5	360	6·1	360	5·4	360	4·0
29	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·7	—	0·8	290	3·2	290	4·4	260	4·2	260	4·8
30	—	0·0	—	0·1	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·3	10	2·6	20	1·7	†	2·4	†	3·0
Mean ...	—	2·1	—	2·3	—	2·4	—	2·3	—	2·3	—	2·3	—	3·1	—	3·6	—	4·3	—	4·7	—	4·9	—	5·1
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

† Defective record.

Averages for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

March, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
240	7·0	240	6·3	250	6·0	210	4·3	200	3·4	230	3·2	—	0·0	270	2·6	270	2·6	—	0·6	220	2·7	270	2·2	5·9	1
280	5·0	260	6·3	250	5·9	260	4·9	240	4·4	230	4·4	200	2·6	170	1·9	190	3·7	180	2·9	180	3·0	170	3·8	4·9	2
250	7·8	240	7·9	240	8·0	230	7·5	220	7·8	200	5·5	190	3·9	190	3·0	190	1·6	200	3·0	190	6·0	180	5·0	5·8	3
250	9·8	250	9·3	250	8·1	250	8·6	250	7·3	230	5·1	220	5·4	180	3·2	180	2·6	180	2·1	180	2·5	—	1·5	6·6	4
220	11·8	230	9·4	220	9·1	220	8·3	210	8·3	210	9·0	210	7·3	220	8·5	230	9·2	230	8·0	230	7·0	220	6·3	10·3	5
200	13·3	200	14·1	200	14·3	200	12·4	220	11·0	200	10·8	190	10·8	190	10·3	180	11·9	200	13·1	220	10·0	240	9·8	10·0	6
220	11·4	220	10·5	220	12·4	230	12·8	230	10·3	230	8·8	240	10·3	240	11·1	240	7·2	230	7·7	240	7·4	230	6·7	7·2	7
230	6·0	230	4·6	310	5·4	360	6·1	330	4·4	310	4·9	310	8·3	300	6·6	290	4·2	260	3·2	220	3·3	230	2·7	4·0	8
20	6·7	20	7·9	30	8·5	20	10·2	20	10·7	20	10·6	20	10·1	20	10·8	30	8·7	30	7·6	30	8·3	20	6·4	6·2	9
20	5·1	30	4·0	320	3·3	340	2·4	—	1·5	—	0·6	—	0·9	—	0·3	—	0·5	—	1·5	230	2·7	230	1·6	3·9	10
300	8·1	300	8·7	300	6·5	300	7·2	300	6·3	300	6·0	310	5·6	310	3·7	310	3·0	—	0·8	330	2·0	320	2·4	5·2	11
50	4·6	50	5·8	70	5·0	60	5·3	60	7·0	40	6·9	30	3·2	10	3·4	10	2·6	20	2·3	30	2·9	30	2·3	2·8	12
60	3·3	60	3·5	60	2·6	60	2·9	40	3·2	—	1·2	—	1·5	360	2·7	360	2·9	—	1·1	340	2·4	360	2·5	2·7	13
60	7·4	50	6·8	40	5·2	40	4·6	40	2·5	360	4·0	20	5·2	10	2·5	20	1·9	10	2·8	10	3·0	—	0·7	3·4	14
40	4 3	40	3·0	20	2·4	60	3·0	70	3·5	50	2·3	40	1·7	—	1·5	20	3·5	10	2·6	—	1·0	—	0·1	2·6	15
50	4·8	50	6·3	60	7·2	60	7·9	40	5·0	40	4·2	40	3·0	40	4·2	40	4·2	30	4·7	20	5·2	20	4·5	3·4	16
30	6·0	20	5·6	30	5·6	30	4·6	30	5·1	30	5·0	30	4·4	30	4·9	30	4·1	20	4·7	20	4·1	20	4·3	4·7	17
30	4·1	30	4·0	60	4·2	40	3·7	50	3·7	40	2·0	20	2·3	30	5·0	30	4·7	30	2·9	20	3·8	30	4·1	3·7	18
50	2·3	50	2·5	30	2·6	30	3·3	20	3·6	20	4·1	30	3·2	20	5·0	20	4·4	20	5·0	20	5·9	30	8·2	3·0	19
360	9·2	360	8·9	360	8·0	20	7·5	20	5·8	10	6·5	350	6·9	360	6·6	360	8·0	360	7·9	360	9·4	360	10·0	7·3	20
30	12·9	40	13·2	40	10·8	40	7·8	20	5·9	10	4·6	30	3·9	40	4·7	40	4·2	40	2·3	30	2·3	—	1·4	8·7	21
40	4·8	60	4·6	20	4·2	20	3·0	40	3·7	50	1·9	30	2·4	30	2·2	10	2·2	360	2·2	360	1·6	—	1·4	3·2	22
110	2·0	—	1·5	—	1·0	—	1·5	170	1·8	180	2·0	—	1·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1·2	23
160	5·9	160	4·8	160	5·2	170	5·7	170	5·4	160	3·6	160	3·2	150	2·8	—	0·5	—	0·0	—	0·0	—	0·0	2·3	24
290	2·6	—	0·9	—	0·5	210	4·7	230	3·1	—	0·6	—	0·3	—	0·0	—	0·0	360	2·1	360	2·7	360	2·2	1·3	25
10	5·6	10	4·9	360	4·4	360	4·5	350	3·4	340	2·5	330	3·8	320	4·3	340	5·6	350	5·9	350	5·0	340	5·5	4·6	26
350	7·1	350	7·5	350	7·8	350	6·5	360	5·9	20	3·4	30	3·8	40	5·0	40	6·0	30	5·7	30	7·4	20	8·0	6·3	27
30	9·1	30	9·5	30	9·6	30	8·6	40	7·2	30	5·6	30	3·9	20	2·8	10	2·3	—	1·2	360	2·9	360	3·4	6·5	28
10	4·0	360	4·0	360	4·6	10	4·8	360	3·4	350	3·9	350	2·2	—	0·9	—	0·6	—	0·7	310	3·0	310	2·0	2·4	29
10	4·5	350	4·7	350	4·5	340	3·9	340	4·7	10	4·5	40	2·1	†	1·9	†	2·3	†	1·6	†	3·7	†	4·2	3·1	30
80	6·5	80	6·5	60	6·8	60	7·9	70	5·4	70	5·0	70	2·8	—	1·2	—	0·5	—	1·1	50	4·5	50	2·1	4·3	31
—	6·5	—	6·4	—	6·1	—	6·0	—	5·3	—	4·6	—	4·1	—	4·0	—	3·7	—	3·5	—	4·1	—	3·7	4·8	

April, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
360	2·7	360	3·0	350	4·0	340	3·6	340	2·9	340	3·4	340	2·0	—	1·3	—	1·0	—	0·0	320	3·1	310	3·8	2·9	1
—	1·3	320	2·0	—	1·0	360	2·8	—	1·2	—	0·5	—	0·1	—	0·5	—	0·5	—	0·6	—	0·6	—	0·6	0·9	2
50	7·0	30	7·4	30	6·1	40	6·7	50	6·2	40	5·6	30	5·1	20	4·4	10	3·3	†	3·6	†	3·4	†	3·3	5·1	3
330	2·2	330	2·1	—	1·2	240	4·0	320	6·8	330	4·1	280	4·0	300	4·5	320	6·6	—	1·0	—	0·0	—	0·0	2·8	4
60	2·8	70	1·9	—	1·1	30	2·5	40	5·2	50	1·6	—	1·3	—	0·8	—	1·1	—	0·0	—	0·9	—	0·0	1·0	5
230	4·1	230	7·0	160	4·1	180	3·0	150	2·5	—	0·2	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1·3	6
—	1·4	190	2·3	—	1·2	190	1·6	190	1·9	—	0·6	—	0·2	—	0·1	—	1·1	—	0·7	—	0·0	—	0·1	0·7	7
90	7·7	80	6·5	130	4·4	—	1·3	—	0·7	80	4·6	70	3·9	70	4·2	60	3·8	60	3·4	40	2·9	40	3·3	3·6	8
140	3·0	120	3·5	140	4·6	140	4·4	150	3·5	160	3·4	—	0·5	—	0·2	—	0·6	—	0·0	—	0·1	—	0·0	2·4	9
220	3·7	200	3·4	190	3·3	200	2·7	190	3·7	170	4·0	160	2·0	—	1·2	—	0·5	—	0·4	—	0·2	—	0·2	2·1	10
150	4·2	180	4·5	180	4·4	150	3·2	210	4·6	200	3·2	—	1·4	—	0·2	—	0·1	—	0·3	—	0·4	—	0·1	2·1	11
—	0·9	140	2·1	—	1·5	100	2·3	70	3·7	60	5·2	60	5·9	30	6·5	30	6·4	20	7·4	20	6·4	10	6·7	3·0	12
260	10·7	270	9·8	260	9·0	230	8·9	220	7·7	220	5·7	210	4·1	210	2·2	—	1·1	—	0·0	—	0·2	—	0·0	6·2	13
40	5·2	60	5·8	30	5·5	40	5·2	40	3·2	30	3·2	40	2·5	20	2·0	360	2·6	20	2·0	—	0·5	—	1·5	3·1	14
200	17·3	190	15·7	200	14·4	190	12·7	200	8·3	190	6·8	160	2·7	—	0·8	10	2·2	40	3·4	30	3·6	20	3·2	9·4	15
350	10·9	340	11·0	350	12·0	360	11·2	360	8·7	350	9·6	360	8·3	360	8·5	360	8·8	360	8·2	360	6·8	350	5·5	8·5	16
10	5·6	360	5·7	360	5·1	10	5·4	360	4·9	360	3·5	360	1·7	—	1·3	360	2·0	—	0·6	360	1·8	360	2·4	3·8	17
50	4·7	50	5·0	60	5·0	60	5·1	70	6·0	70	5·7	60	2·5	—	1·0	—	1·2	—	0·9	—	0·5	—	0·4	3·2	18
190	4·0	210	4·3	220	3·7	220	3·3	200	3·6	200	4·2	—	1·4	—	0·1	—	0·1	—	0·1	—	0·1	—	0·0	1·5	19
†	1·6	†	2·4	230	2·0	230	2·2	220	4·3	220	3·4	—	1·4	70	1·7	—	0·7	—	0·9	—	0·0	—	0·0	1·1	20
220	4·2	220	4·5	210	5·3	200	3·8	200	5·2	230	3·8	280	3·5	280	2·0	—	0·3	—	0·1	—	0·2	—	0·0	1·8	21
300	4·5	290	3·8	290	4·5	290	4·6	290	4·0	290	3·4	—	0·8	—	0·5	350	0·5	—	0·2	—	0·1	—	0·6	2·2	22
270	5·8	230	8·8	230	10·7	220	9·3	230	7·5	240	5·1	260	7·9	250	6·7	250	6·5	240	5·1	220	5·0	230	7·3	4·1	23
280	10·2	280	10·0	280	9·8	280	10·5	290	8·7	280	10·2	290	13·8	300	15·6	300	15·3	290	14·9	300	13·5	290	12·4	8·9	24
260	5·6	220	8·3	230	4·3	230	5·2	200	6·8	200	6·7	200	4·2	†	1·8	—	0·2	—	0·0	—	0·0	—	0·0	7·0	25
50	6·3	50	6·2	50	5·6	70	6·8	70	5·0	70	6·3	40	3·5	30	5·5	30	3·8	20	4·0	20	4·2	20	5·7	3·5	26
10	8·0	360	7·2	340	8·3	360	7·6	360	7·5	350	6·5	360	5·1	10	4·3	360	3·5	330	3·6	340	4·6	340	6·7	6·2	27
350	5·5	280	5·0	270	4·8	280	3·7	300	3·7	†	2·0	350	2·0	—	1·2	—	0·3	—	0·0	—	0·0	—	0·0	4·4	28
300	3·5	260	3·2	260	3·0	—	1·1	160	1·6	190	3·0	270	3·1	—	0·5	—	0·2	—	0·1	—	0·0	—	0·0	1·6	29
—	1·4	360	4·8	†	4·5	†	4·4	†	5·6	50	4·7	—	0·5	—	0·1	—	0·6	—	0·1	—	0·0	—	0·0	1·5	30
—	5·2	—	5·8	—	5·1	—	5·0	—	4·8	—	4·3	—	3·2	—	2·7	—	2·5	—	2·1	—	2·0	—	2·1	3·5	
13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second.

171. Eskdalemuir : H_a (height of head of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·5	—	0·6	—	0·2	—	0·2	—	0·2	—	0·3	10	1·7	20	2·8	30	3·8	40	3·5	20	4·4	30	4·7
2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	1·3	230	5·5	250	5·6	240	5·0	240	4·9
3	—	0·5	—	0·5	—	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	180	5·5	190	7·5	200	8·5	200	8·6
4	†	4·8	†	7·1	†	7·5	†	7·8	†	9·3	†	9·7	†	11·8	†	11·3	†	12·3	210	12·2	220	10·9	240	7·8
5	230	14·0	220	12·3	220	12·9	220	13·8	230	12·5	210	11·1	220	11·4	230	10·2	220	7·6	250	8·5	270	9·7	280	10·0
6	—	0·2	200	3·2	210	2·6	200	4·5	180	5·1	190	9·7	190	11·0	190	12·2	200	14·4	210	14·7	210	14·8	210	12·5
7	190	10·1	200	10·3	190	8·9	200	9·9	210	10·5	210	9·3	190	6·0	170	5·6	180	7·3	190	10·1	200	10·5	200	11·4
8	—	0·0	—	0·0	—	0·0	—	0·1	—	1·0	—	1·4	170	2·7	190	4·5	210	4·8	190	5·9	220	8·4	240	9·0
9	300	4·2	—	0·6	350	1·7	—	0·6	—	0·5	—	0·3	—	0·6	—	1·5	—	1·3	—	1·1	—	0·6	—	1·4
10	360	3·0	360	2·2	†	1·7	10	2·1	360	2·5	10	2·4	30	2·4	50	2·1	60	3·2	70	3·4	60	4·1	60	3·9
11	30	3·5	20	3·8	20	2·5	30	3·2	30	3·5	30	2·6	80	2·7	70	3·6	70	3·5	40	3·7	50	3·9	40	3·4
12	20	2·0	20	2·3	—	1·1	—	1·0	20	1·9	30	2·5	20	4·0	20	5·0	10	5·3	10	5·1	20	5·9	10	6·0
13	—	0·5	—	0·4	—	0·5	—	0·1	—	0·2	—	0·3	—	0·7	290	5·5	290	6·2	270	4·4	280	5·3	280	5·5
14	220	5·1	230	5·0	230	6·0	230	5·7	230	5·3	230	5·6	220	7·5	230	8·5	230	9·9	230	7·5	240	9·9	230	10·4
15	220	9·0	220	8·9	230	7·7	230	8·5	210	6·6	200	6·8	210	7·0	220	8·6	210	8·7	210	10·4	220	12·6	210	10·5
16	200	10·0	200	9·7	200	8·4	200	7·1	200	8·4	200	9·2	200	9·0	200	9·4	200	9·0	210	9·3	210	8·8	210	9·4
17	210	5·1	210	5·0	220	3·5	—	1·3	—	0·9	190	2·7	190	2·6	190	2·3	190	4·7	210	5·5	210	6·0	200	5·5
18	210	5·1	220	5·6	220	4·5	230	4·0	240	3·6	250	3·9	240	5·6	240	7·6	240	8·0	250	8·8	260	7·0	270	8·0
19	—	2·7	—	2·6	—	2·2	—	2·3	—	3·8	—	4·1	230	5·2	210	6·5	210	6·2	210	6·0	220	5·7	240	6·1
20	—	0·8	—	0·2	—	0·5	—	0·0	—	0·2	†	2·0	†	1·8	200	2·5	210	3·6	200	3·2	200	2·1	200	2·4
21	210	6·7	210	6·3	200	4·9	200	5·1	200	5·1	200	5·4	200	5·3	200	5·3	200	5·8	200	5·6	200	5·8	190	5·0
22	200	2·3	200	7·3	210	10·6	210	10·7	210	10·7	210	12·1	210	12·5	210	10·8	220	8·9	220	9·5	230	10·7	230	10·3
23	—	1·1	360	1·9	360	3·4	360	1·8	360	1·8	10	2·0	40	2·6	50	2·2	30	1·7	50	2·1	10	1·8	360	2·0
24	260	2·7	270	1·8	—	0·7	—	0·5	—	0·0	—	0·0	—	0·0	280	2·4	270	2·3	250	2·0	250	1·8	250	2·4
25	360	2·9	—	1·5	360	1·8	—	0·6	—	0·1	—	0·1	—	0·1	210	2·2	200	2·8	220	3·4	210	2·6	220	3·7
26	210	6·2	200	7·4	220	8·0	220	7·4	210	6·9	210	7·8	210	7·1	220	8·4	210	8·0	250	8·5	290	10·5	270	12·7
27	270	2·6	280	2·2	†	2·4	†	3·0	†	3·1	†	4·0	†	4·4	280	4·5	280	5·7	280	7·4	300	7·6	300	6·9
28	—	0·0	—	0·0	—	0·0	—	0·0	—	0·2	—	0·8	220	3·0	230	5·7	230	7·5	230	6·8	240	9·7	240	8·4
29	—	0·5	—	0·3	—	0·5	—	0·0	—	0·0	—	0·0	—	0·5	—	1·0	270	3·2	250	3·5	250	3·5	250	3·0
30	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	190	1·8	230	5·6	230	5·0	230	5·8	220	6·8	220	7·6
31	—	1·1	—	0·4	—	0·4	—	1·0	—	0·2	—	0·3	240	4·6	240	5·2	240	5·0	230	4·0	240	4·2	210	5·0
Mean.	—	3·5	—	3·5	—	3·4	—	**3·3**	—	3·4	—	3·7	—	4·4	—	5·3	—	6·0	—	6·3	—	6·7	—	6·7

172. Eskdalemuir : H_a = 235 metres + 15 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	1·0	—	0·8	150	1·7	170	2·2	—	1·3
2	20	5·5	10	5·6	20	4·6	†	3·5	20	3·4	30	3·8	30	3·6	†	1·6	—	1·0	130	4·7	170	5·6	200	6·8
3	300	3·8	†	3·2	270	3·7	290	2·0	280	4·4	280	4·2	270	4·2	270	4·7	270	4·9	280	5·5	270	5·3	280	7·7
4	240	2·1	—	0·6	—	1·2	—	0·6	60	2·5	60	2·2	150	4·0	200	4·9	210	5·4	220	6·5	230	6·7	220	8·4
5	200	1·8	220	2·0	230	2·4	230	2·7	250	4·8	240	4·5	230	5·1	240	6·2	260	6·6	260	6·5	240	6·7	240	6·8
6	240	4·2	250	3·0	260	2·6	—	1·1	260	3·7	250	3·7	250	3·0	260	3·2	260	3·8	260	2·9	240	2·7	240	3·3
7	—	1·4	†	2·1	—	0·6	—	0·8	—	0·6	—	0·5	—	0·0	—	0·5	170	2·0	180	3·7	190	4·4	190	4·3
8	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·4	—	0·8	180	2·3	—	1·5	180	2·4	200	2·8
9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	10	3·0	40	2·5	70	2·9	70	2·4	140	3·4	140	2·5	—	0·5
10	—	0·8	—	0·6	—	0·7	—	0·5	—	1·0	—	1·0	280	3·0	290	3·6	290	3·8	290	4·0	300	5·0	300	5·6
11	†	2·8	†	2·0	—	1·5	—	1·3	—	1·0	—	0·6	—	1·0	—	1·0	170	1·1	†	3·0	†	3·0	†	3·8
12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·4	—	1·1	170	1·6	170	3·6	170	4·8	†	4·8	†	5·0	†	4·9
13	220	5·0	230	3·0	240	3·2	290	4·9	300	5·1	310	9·0	350	5·0	30	5·3	50	6·6	30	6·5	10	5·8	20	4·6
14	†	3·2	†	3·6	†	3·0	†	3·0	†	3·0	20	2·0	20	2·5	—	1·5	—	0·4	—	0·5	—	1·4	230	2·6
15	—	1·0	—	1·3	—	1·5	—	1·0	—	0·7	—	0·6	—	0·7	—	0·5	—	0·5	—	0·0	—	0·0	—	0·5
16	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	220	2·8	210	4·5	250	5·0	270	5·3	270	5·0
17	290	7·4	290	7·0	280	7·4	280	5·9	250	4·0	250	7·0	250	6·0	250	6·5	260	6·3	290	10·6	290	11·4	290	11·0
18	280	6·1	290	7·5	300	7·0	300	6·0	290	5·6	280	5·1	290	7·7	280	6·7	260	6·2	260	4·8	240	4·3	220	4·5
19	240	6·2	240	7·5	240	6·4	240	6·0	230	5·8	230	4·6	240	5·3	240	5·7	260	5·4	260	4·9	260	4·7	270	5·4
20	210	5·0	210	5·5	220	7·6	220	7·7	220	9·3	220	12·0	220	12·8	220	10·9	230	11·4	220	11·8	230	11·7	230	10·3
21	—	1·3	—	0·5	230	2·0	220	2·7	230	2·0	220	4·0	210	5·3	210	5·0	220	6·4	230	8·2	230	8·3	250	6·6
22	210	3·6	230	5·7	230	6·3	240	6·3	240	5·9	240	6·2	230	6·8	240	7·0	230	7·3	230	8·0	230	8·8	230	9·8
23	160	4·8	190	5·1	220	3·0	—	1·4	—	0·1	—	0·3	290	2·5	300	3·9	310	3·6	300	3·8	310	2·5	320	3·5
24	260	2·5	240	2·3	—	1·5	230	3·5	220	4·5	210	3·7	200	5·5	210	7·3	210	7·7	210	8·3	220	9·6	220	9·3
25	250	2·4	250	3·4	240	3·8	240	5·4	230	5·5	240	5·9	240	5·8	270	4·0	270	4·0	300	5·7	300	6·1	310	7·0
26	†	4·7	†	5·5	†	4·8	†	4·5	†	3·6	†	3·4	†	3·2	260	4·3	250	5·2	240	5·1	240	5·1	240	5·7
27	290	5·4	270	5·6	270	6·0	260	6·8	270	4·6	260	5·0	250	6·1	240	6·1	250	6·6	250	7·2	240	6·8	230	8·4
28	—	1·0	—	1·5	310	2·8	310	2·3	310	1·9	310	3·3	310	4·0	310	4·0	290	4·9	280	5·7	280	5·9	280	8·0
29	260	4·5	250	5·3	220	4·3	180	3·8	210	3·8	240	5·6	260	7·0	260	8·5	280	7·1	280	6·1	280	7·0	270	7·0
30	250	7·2	240	5·9	240	7·8	250	7·5	250	6·9	250	7·2	260	7·4	260	7·2	300	4·9	250	6·2	260	7·6	260	8·6
Mean. ‡	—	3·2	—	3·3	—	3·3	—	3·1	—	3·2	—	3·8	—	4·2	—	4·4	—	4·6	—	5·2	—	5·5	—	5·8
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

‡ Mean for 29 days only, omitting 16th.

Averages for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

May, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
70	3·2	200	3·2	210	1·8	—	0·5	—	0·8	—	0·0	—	0·7	—	0·5	—	0·4	—	0·3	—	0·0	—	0·1	**1·4**	1
240	6·6	†	6·4	250	5·1	230	6·0	240	6·0	240	5·8	250	4·0	240	2·7	—	1·4	—	0·2	—	0·7	—	0·2	2·8	2
200	8·8	210	10·0	210	7·5	220	6·8	260	7·4	†	7·6	†	9·5	†	8·0	†	6·5	†	4·8	†	2·6	†	2·5	4·7	3
240	9·6	230	9·7	210	11·7	210	12·5	220	11·8	220	12·0	210	10·8	220	11·0	220	12·1	230	15·9	230	17·7	230	17·3	**10·7**	4
270	10·2	270	9·9	260	9·9	270	9·3	270	7·8	240	5·4	260	6·7	260	4·1	250	4·0	210	1·7	—	0·6	—	0·1	8·8	5
200	11·3	200	10·4	200	10·3	200	10·2	210	11·4	210	10·0	220	9·0	220	9·3	220	9·2	220	8·5	210	8·3	200	8·6	9·0	6
200	10·2	200	8·0	190	9·8	180	9·0	180	10·0	180	6·6	180	5·1	150	3·4	150	2·3	—	0·6	—	0·3	—	0·0	7·5	7
270	7·6	270	7·4	260	6·6	270	7·0	270	6·2	270	4·5	—	1·3	270	3·0	330	1·8	—	0·8	—	0·8	350	3·0	3·6	8
230	3·4	230	2·0	220	2·7	—	1·2	170	2·8	130	3·9	80	2·7	60	2·8	—	1·0	—	1·2	10	2·1	360	2·9	1·8	9
60	3·5	50	3·2	50	3·5	†	4·5	†	4·8	70	4·6	—	1·3	—	1·0	60	1·8	—	1·5	40	1·8	30	1·8	2·8	10
50	2·8	40	2·3	50	2·5	—	1·5	—	0·7	—	0·8	—	1·1	†	1·8	—	1·5	50	4·1	40	2·7	—	1·5	2·6	11
10	4·7	10	4·5	20	4·6	10	4·4	20	4·7	20	4·0	30	3·3	10	2·0	360	2·1	—	1·5	—	0·5	—	0·4	3·3	12
280	5·5	270	6·3	270	6·5	270	7·0	280	6·5	270	5·7	270	5·1	260	3·8	240	4·9	230	5·0	230	4·5	230	4·8	3·9	13
220	11·1	220	11·8	220	12·7	220	12·3	210	11·5	220	10·3	200	7·3	210	9·5	220	9·7	230	10·0	230	10·0	230	10·1	8·8	14
210	10·0	210	10·6	200	8·6	190	8·3	190	9·0	200	8·2	200	7·9	200	8·8	200	9·0	200	8·0	190	7·5	190	7·6	8·8	15
200	9·4	200	10·3	200	10·1	200	9·7	210	9·3	210	9·2	210	8·0	200	6·1	200	5·6	210	6·5	220	7·8	220	6·0	8·6	16
200	7·0	210	8·4	210	9·2	210	7·7	210	7·5	210	8·6	210	9·2	220	6·6	210	3·5	210	5·6	210	4·2	210	3·8	5·3	17
250	8·0	250	7·5	270	7·2	270	7·4	270	6·4	260	6·9	260	4·4	260	2·2	290	2·0	†	1·9	—	2·7	—	2·8	5·5	18
260	6·2	270	6·9	290	6·4	280	7·8	280	7·7	280	6·1	280	6·1	280	3·2	—	0·4	310	1·8	—	0·6	—	0·2	4·5	19
190	4·0	200	6·0	200	6·4	200	7·2	200	7·1	200	6·6	200	5·8	200	6·3	200	6·8	200	5·7	200	7·5	210	8·0	3·9	20
200	4·7	190	4·5	200	4·2	190	2·3	—	1·0	—	0·2	—	0·2	—	0·2	—	0·9	—	1·3	—	1·2	290	1·7	3·8	21
220	9·4	220	8·7	210	8·1	200	8·7	210	8·2	200	6·2	200	4·2	210	2·3	—	0·8	—	0·1	—	0·2	—	0·0	7·3	22
—	1·1	—	0·5	210	6·4	200	6·5	210	6·5	210	6·6	200	6·2	210	5·0	210	3·7	200	3·2	200	3·8	200	3·0	3·1	23
230	2·3	—	1·0	220	1·8	—	0·7	—	0·0	—	0·8	10	2·9	—	1·4	—	1·5	10	3·6	10	2·4	360	2·5	1·6	24
220	5·0	220	6·3	220	7·0	220	7·1	220	6·2	210	5·6	200	4·5	190	2·0	—	0·4	—	0·1	200	1·8	200	5·1	3·0	25
290	11·9	290	12·6	290	10·5	290	11·5	290	10·9	290	10·6	290	10·2	290	9·4	290	10·5	290	9·5	290	9·4	270	7·2	9·3	26
310	6·5	320	8·3	310	6·6	310	6·0	320	4·0	310	3·3	300	2·7	—	1·3	—	0·5	—	0·5	—	0·5	—	0·0	4·1	27
220	7·1	240	8·4	250	7·2	240	4·5	300	5·3	290	5·0	270	4·1	250	4·8	270	5 4	210	2·3	210	2·8	230	1·9	4·2	28
230	4·1	230	4·5	200	5·0	200	5·8	210	6·1	220	5·7	210	3·8	220	4·0	—	1·1	—	0·0	—	0·0	—	0·0	2·4	29
220	7·8	220	8·8	220	8·4	220	8·3	230	8·5	230	8·5	230	6·2	220	4·2	200	2·5	—	0·8	—	1·3	—	0·0	4·1	30
180	5·2	200	6·0	200	5·9	200	6·7	210	6·4	210	5·2	200	2·5	—	0·4	—	0·0	—	0·0	—	0·0	—	0·0	2·9	31
—	6·7	—	6·9	—	**6·9**	—	6·7	—	6·5	—	5·9	—	5·1	—	4·2	—	3·7	—	3·5	—	3·4	—	3·3	5·0	

June, 1922

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
—	1·3	—	1·0	110	3·4	60	7·3	60	6·1	70	5·0	40	4·5	30	3·3	30	4·0	20	4·7	10	4·2	20	5·5	2·3	1
220	6·9	210	6·0	220	5·5	230	6·5	290	10·5	290	9·9	290	10·0	290	8·1	300	3·8	290	3·9	280	3·8	290	4·9	5·4	2
280	6·0	280	7·0	280	7·2	270	6·1	280	5·1	270	6·3	270	5·0	270	5·0	230	1·6	—	0·4	—	0·8	250	2·8	4·5	3
220	9·6	220	10·0	220	9·8	220	7·5	210	6·7	210	6·6	200	6·9	190	5·7	190	3·6	190	4·0	240	2·6	200	1·8	5·0	4
260	6·5	260	5·7	260	5·5	250	5·4	260	5·2	250	4·8	250	3·9	260	4·1	260	5·0	260	2·5	250	3·2	250	2·8	4·6	5
240	4·4	190	4·8	190	4·6	200	4·4	180	4·7	190	4·2	180	2·8	—	1·0	—	0·3	—	0·5	—	0·5	—	0·9	3·0	6
200	5·0	190	3·8	190	2·9	190	2·0	—	0·6	—	0·0	—	0·2	—	0·4	—	0·0	—	0·0	—	0·0	—	0·0	1·5	7
210	3·8	220	3·9	230	2·8	240	2·0	—	0·6	—	0·0	—	0·6	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1·0	8
—	1·4	160	2·9	—	1·0	—	0·1	—	0·8	120	1·9	80	1·6	—	1·0	—	0·6	—	0·5	—	1·4	—	1·0	1·3	9
290	5·3	280	5·0	280	5·4	280	6·0	280	5·5	280	5·7	280	3·8	280	3·6	300	3·5	†	2·8	†	2·0	†	2·0	3·3	10
230	4·3	†	3·8	180	3·8	†	2·6	†	2·6	270	2·8	†	2·9	—	1·3	—	0·3	—	0·0	—	0·0	—	0·0	2·0	11
†	5·2	†	5·2	210	6·0	200	6·0	200	7·3	190	5·5	200	3·4	180	2·0	220	4·1	220	3·3	210	3·8	220	4·4	3·3	12
30	4·3	10	3·5	360	4·6	350	4·0	360	3·5	20	4·5	30	3·8	—	1·1	—	1·0	—	0·5	—	0·5	—	1·5	4·1	13
240	2·9	210	2·8	210	4·9	210	5·1	220	4·3	240	4·0	240	3·9	210	5·0	220	2·4	—	0·3	—	0·2	—	1·0	2·7	14
—	0·4	—	0·4	—	0·0	—	0·1	—	0·6	—	0·5	—	0·5	—	0·2	—	0·5	—	0·5	—	0·5	—	0·5	**0·6**	15
270	5·0	270	3·6	270	4·2	*	*	*	*	*	*	*	*	280	7·6	280	8·3	290	8·0	290	7·8	290	7·8	—	16
280	10·7	280	11·1	280	9·9	270	9·4	280	8·9	280	10·3	280	11·1	280	11·5	290	10·4	280	5·0	270	5·7	270	6·3	**8·4**	17
220	5·9	210	5·6	200	5·6	210	5·7	220	5·5	230	6·2	240	6·0	260	5·8	270	6·8	270	7·3	250	6·4	240	5·2	6·0	18
280	6·9	260	6·6	260	5·5	260	5·3	260	4·1	250	5·0	250	3·6	240	2·5	230	2·5	230	2·9	220	3·5	220	2·5	5·0	19
270	9·8	270	7·7	270	7·8	270	9·0	280	7·1	280	7·9	270	5·9	260	7·7	260	4·0	—	1·4	—	0·5	—	0·6	7·8	20
250	7·8	250	6·8	240	7·5	240	9·2	230	8·3	230	7·6	230	7·1	230	6·0	220	3·8	200	2·0	—	1·0	210	2·5	5·0	21
240	9·9	250	8·1	240	6·0	220	5·8	210	5·7	210	8·2	210	7·1	200	6·4	200	6·0	180	5·6	160	4·3	160	3·8	6·6	22
340	3·1	300	4·2	290	3·4	310	4·0	280	5·3	280	3·5	270	3·2	280	3·2	280	3·7	270	5·2	250	2·8	260	2·5	3·3	23
210	10·0	210	11·3	210	9·5	210	10·7	210	9·5	210	8·2	220	6·7	210	4·1	220	4·5	240	4·2	270	3·2	260	4·0	6·3	24
310	7·9	300	7·5	290	7·6	290	9·2	290	7·4	290	8·5	300	8·8	300	8·1	†	8·3	†	8·1	†	8·8	†	5·5	6·4	25
240	5·6	230	6·5	230	6·0	240	6·3	260	5·6	250	6·3	260	4·3	270	4·0	260	3·0	250	3·3	250	3·3	250	6·0	4·8	26
230	7·0	210	6·1	220	6·0	230	4·0	220	3·5	210	6·5	230	9·4	240	8·5	240	7·7	250	6·2	250	3·8	270	2·5	6·1	27
270	6·9	270	8·0	280	7·5	270	7·6	280	7·5	280	8·5	280	7·1	270	7·4	270	6·7	270	3·2	280	2·7	260	2·7	5·0	28
270	8·6	280	8·2	290	9·0	280	8·4	300	9·3	290	8·4	280	6·5	260	5·6	240	4·7	260	5·3	260	5·6	250	6·3	6·4	29
240	8·9	250	9·0	260	7·2	270	7·0	270	6·5	280	6·2	280	4·0	260	2·1	—	1·5	230	2·4	220	2·5	230	2·8	6·1	30
—	**6·1**	—	5·9	—	5·7	—	5·7	—	5·5	—	5·6	—	5·0	—	4·3	—	3·6	—	3·0	—	**2·7**	—	2·8	4·4	‡

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

* Changing recording apparatus. † Defective record.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second.

173. Eskdalemuir : H_a (height of head of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	190	1·8	210	6·0	220	7·2	210	7·5	210	8·4	200	9·3	200	11·3	190	9·6	170	7·1	200	8·6	200	12·5	200	12·0
2	200	9·7	200	9·8	200	10·0	210	10·0	210	10·7	210	11·5	210	11·6	220	11·5	220	11·5	220	11·6	230	11·3	220	11·0
3	220	3·8	230	6·9	230	7·0	240	8·1	240	7·7	240	6·0	240	7·5	240	8·5	240	7·5	220	7·4	230	7·6	230	8·2
4	—	0·4	—	0·4	—	0·5	—	0·1	170	5·0	170	2·5	160	4·0	140	6·0	150	6·2	150	7·0	170	8·8	200	10·5
5	240	3·7	270	4·1	270	3·5	250	4·2	250	3·7	260	5·1	260	4·4	260	4·2	250	4·8	290	5·9	290	4·3	280	3·9
6	30	8·1	30	9·9	30	12·0	30	14·7	30	14·5	30	15·4	20	15·0	10	16·2	360	13·2	330	13·0	320	11·8	330	10·9
7	240	6·2	250	6·7	230	6·3	240	7·1	250	7·5	250	6·6	250	7·3	230	7·1	240	8·9	250	8·1	260	6·6	270	7·1
8	200	3·0	200	1·6	—	0·4	—	0·3	—	0·5	—	0·5	—	0·6	130	2·8	140	4·2	100	3·6	100	4·0	100	5·0
9	10	6·2	360	5·6	360	5·3	350	5·8	360	5·7	350	4·9	340	5·8	330	5·2	340	5·9	320	5·9	310	7·3	320	7·8
10	280	7·8	290	6·4	290	3·1	290	3·1	290	4·5	290	6·4	290	6·1	290	5·2	300	5·2	290	7·0	290	5·8	300	7·5
11	—	0·4	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	1·0	270	3·4	270	3·2	290	3·5	260	3·8	250	4·4
12	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	190	4·2	210	6·4	220	6·0	210	6·1	210	7·0
13	200	2·3	200	2·8	200	3·0	180	3·0	180	2·8	180	3·5	—	1·2	—	0·5	—	0·5	—	1·2	210	2·8	200	3·7
14	190	8·0	180	6·8	180	6·3	190	5·3	210	4·6	220	2·5	240	1·6	—	1·5	260	2·7	250	3·6	250	3·8	240	4·5
15	—	0·5	—	0·5	—	0·6	—	0·5	—	0·5	—	0·5	—	0·5	—	0·6	—	0·8	—	1·2	—	1·1	—	0·8
16	330	4·6	320	3·5	330	2·5	330	4·6	320	6·3	320	6·5	330	7·5	†	7·0	†	6·7	20	7·0	10	7·8	20	7·6
17	—	0·0	—	0·0	—	0·0	290	1·6	280	4·5	290	3·7	290	4·8	290	4·0	290	3·8	280	3·0	280	4·1	260	5·1
18	—	0·8	—	0·6	—	1·0	—	0·1	—	0·0	—	0·0	—	0·4	180	1·7	—	1·5	240	3·2	10	3·2	330	2·8
19	300	3·0	310	4·0	310	5·3	300	2·8	290	5·7	290	5·3	290	4·7	290	3·7	280	3·8	280	4·6	290	4·5	280	5·4
20	230	3·5	220	4·7	210	5·2	210	5·6	210	6·2	210	5·8	210	8·0	210	10·0	210	8·8	200	9·5	200	10·2	200	11·0
21	210	6·7	210	6·4	210	5·7	230	3·0	—	0·7	—	0·3	—	0·7	230	2·2	220	3·0	230	4·3	230	4·9	240	5·7
22	—	0·2	—	0·1	—	0·1	—	0·1	—	0·2	—	0·8	—	1·0	130	1·8	—	1·3	250	1·9	260	2·3	230	2·5
23	300	2·2	290	2·2	300	2·7	20	3·5	20	4·0	—	1·2	50	3·0	40	2·8	40	3·6	60	4·4	60	5·0	60	5·5
24	360	3·4	10	2·6	10	2·4	20	2·1	30	5·1	30	4·1	20	3·7	30	3·7	40	3·5	20	1·9	—	0·2	—	1·4
25	30	1·8	—	1·5	340	1·8	350	3·2	350	2·8	340	3·5	10	1·7	50	2·1	—	1·1	—	0·4	—	0·6	—	1·3
26	—	0·0	—	0·0	—	0·0	—	0·0	—	0·2	210	3·0	200	4·5	210	6·8	210	9·9	210	10·0	210	10·1	200	10·4
27	270	4·9	270	4·6	270	4·8	170	1·6	—	1·4	240	1·8	260	3·7	260	4·5	260	4·2	270	5·1	270	5·4	270	5·4
28	—	0·5	—	0·4	—	0·0	—	0·0	—	0·4	—	0·5	—	1·0	220	2·8	250	4·0	*	*	*	*	*	*
29	—	0·0	—	0·0	—	0·5	—	0·3	210	2·3	200	4·6	180	5·1	180	5·4	170	6·1	180	6·5	200	9·6	210	10·9
30	270	2·0	280	2·4	270	2·8	250	3·5	—	0·5	—	0·3	230	2·7	230	4·3	220	5·0	220	7·8	230	8·0	230	8·9
31	210	7·8	220	7·0	210	6·3	210	6·0	200	6·8	210	7·3	220	9·3	220	9·5	210	9·7	230	10·0	220	12·1	220	13·0
Mean ‡ ...	—	3·5	—	3·7	—	3·6	—	3·8	—	4·2	—	4·2	—	4·8	—	5·4	—	5·5	—	5·9	—	6·3	—	6·9

174. Eskdalemuir : H_a = 235 metres + 15 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	230	5·6	240	6·5	230	6·1	220	6·5	220	6·9	230	6·0	230	6·3	240	7·0	240	7·4	260	8·7	270	8·7	270	9·9
2	270	2·1	270	4·5	280	5·2	280	4·9	280	5·1	280	4·0	260	4·8	250	5·0	250	6·4	270	4·9	280	5·0	270	5·1
3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	140	2·0	240	1·6	260	1·7	240	2·0	260	3·7
4	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	0·4	—	1·0	—	1·5	160	1·7
5	40	2·4	30	2·6	20	2·6	30	2·6	30	2·0	—	1·2	—	1·1	—	0·5	—	0·5	—	0·5	†	†	†	†
6	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·2	—	1·3	—	1·4	—	0·6
7	40	1·8	—	1·1	—	1·0	—	1·2	30	2·3	20	2·0	50	2·5	70	4·6	60	4·2	90	6·0	100	7·4	100	5·8
8	40	5·8	40	5·5	40	5·1	30	5·7	30	5·8	40	6·6	30	6·2	40	7·2	50	8·0	50	8·4	40	9·0	30	9·6
9	30	7·6	40	10·0	30	9·1	30	8·0	30	8·8	30	9·7	30	9·5	30	9·8	30	9·5	30	10·3	30	10·0	30	9·1
10	—	1·0	—	1·4	—	1·3	—	0·1	—	0·1	—	0·0	—	0·0	—	0·4	—	0·5	—	0·5	—	1·5	—	0·8
11	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·2	—	0·7	220	3·0	240	4·2	250	3·3
12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·5	—	1·4	190	2·5	170	4·4	170	3·8	170	5·6	170	6·1	170	6·6
13	240	3·1	250	3·3	250	2·0	—	0·5	—	0·6	—	1·3	230	4·1	250	5·8	250	5·7	270	7·2	270	7·8	280	8·4
14	270	3·8	280	2·4	280	1·6	—	1·5	—	1·3	—	0·5	—	0·6	290	2·2	290	2·6	280	2·0	280	3·4	270	3·6
15	—	0·1	—	0·1	—	0·1	—	0·1	—	0·1	—	1·0	240	3·5	250	5·2	250	7·8	250	7·1	250	6·8	240	7·0
16	210	7·5	220	8·4	210	7·2	220	7·0	220	8·4	210	13·5	210	14·5	220	14·7	210	12·0	230	10·7	220	10·6	230	8·4
17	210	5·0	200	4·5	210	5·1	210	5·3	210	5·4	220	6·5	250	7·2	240	8·1	240	9·9	260	12·0	260	11·6	260	13·0
18	210	3·8	190	2·5	200	2·0	180	3·6	180	3·3	200	4·3	220	3·6	240	3·8	240	5·4	250	6·5	270	7·6	280	7·0
19	230	2·6	—	1·3	—	0·8	220	3·7	180	3·2	170	1·6	—	1·3	210	4·7	230	7·5	240	5·7	240	5·1	230	3·7
20	210	3·6	210	6·0	210	6·5	210	6·0	190	6·7	200	6·0	190	5·4	210	6·2	220	7·2	220	7·7	210	6·8	220	7·0
21	—	1·5	—	1·1	—	0·1	—	0·1	—	0·1	—	0·0	—	0·1	—	0·5	—	0·4	—	1·1	—	1·5	220	1·7
22	200	2·0	200	1·7	200	2·7	240	1·7	270	2·0	—	1·3	—	1·0	—	0·7	—	0·4	—	0·3	—	1·2	210	1·8
23	280	9·2	280	10·9	280	10·1	290	9·0	290	11·6	†	15·5	290	14·3	290	13·1	290	13·6	300	11·6	290	9·9	300	10·4
24	290	3·8	160	2·7	240	2·8	220	2·8	240	2·6	260	3·7	160	2·8	160	3·6	210	4·6	210	5·3	220	7·2	210	8·0
25	270	3·6	270	3·9	310	3·3	340	2·2	340	1·9	350	3·7	350	1·9	350	2·2	350	3·6	350	3·5	290	1·9	280	4·0
26	280	3·2	270	3·7	280	4·4	240	3·7	210	4·3	—	0·9	—	0·8	230	5·4	220	6·1	210	6·0	200	6·8	200	7·1
27	200	11·4	210	9·5	200	6·3	200	7·2	200	8·6	200	9·2	190	9·8	190	9·8	220	8·9	220	9·6	210	9·2	210	9·6
28	180	2·0	—	0·6	—	0·3	—	0·3	—	0·3	—	0·3	—	0·5	—	0·2	—	0·3	—	0·3	—	0·4	—	0·6
29	—	0·8	—	0·4	—	1·1	—	1·0	—	0·4	—	0·1	—	1·0	160	3·6	180	5·0	210	6·2	200	7·5	200	9·8
30	180	3·5	190	2·6	—	1·1	—	0·4	—	0·3	—	0·2	—	0·1	—	0·7	140	3·8	140	3·4	140	2·3	140	2·4
31	—	0·9	330	1·6	350	1·8	350	2·3	—	0·6	—	1·0	30	2·5	—	0·2	—	0·2	130	5·1	140	5·4	140	4·4
Mean § ...	—	3·2	—	3·2	—	2·8	—	2·8	—	3·0	—	3·3	—	3·5	—	4·4	—	4·9	—	5·4	—	5·7	—	5·8

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

† Defective record. ‡ Mean for 28 days only, omitting 18th, 19th, 28th. * Anemometer under adjustment.

Average for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

July, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
200	11·8	190	10·6	180	8·1	190	8·7	190	10·3	210	11·4	210	13·3	210	11·4	210	10·0	210	8·0	200	9·7	200	9·5	9·2	1
210	11·0	210	10·7	210	11·0	220	11·8	240	9·8	230	8·4	230	7·1	230	6·8	210	6·0	240	8·0	270	5·2	240	4·1	9·7	2
240	8·8	230	8·5	240	8·0	240	6·7	230	5·9	210	6·0	260	3·3	270	3·0	270	2·0	—	0·6	—	0·5	—	0·4	5·9	3
200	12·8	210	10·6	200	10·5	210	9·8	200	10·4	210	9·8	210	8·1	230	6·4	240	5·0	250	5·6	260	3·7	240	4·1	6·1	4
250	3·5	230	3·2	200	3·2	200	3·6	—	1·0	—	0·6	—	1·2	80	1·9	40	5·8	70	4·5	60	4·5	50	6·0	3·7	5
310	11·1	300	10·1	280	8·4	280	10·5	280	13·0	290	13·2	290	12·2	280	10·8	280	10·4	270	8·6	250	8·0	240	6·0	**11·5**	6
270	6·3	280	5·5	270	6·2	260	6·0	240	5·4	220	5·3	220	2·3	230	3·0	—	0·8	—	0·4	230	2·0	—	1·4	5·5	7
120	6·4	110	6·1	90	5·5	80	5·7	80	6·3	60	7·8	50	7·5	40	8·6	30	8·9	30	8·0	20	7·6	20	7·5	4·5	8
320	6·0	320	6·5	320	6·8	320	5·8	310	6·5	310	7·9	300	6·2	290	5·5	280	5·8	280	7·1	280	6·8	270	5·2	6·2	9
300	6·8	290	6·1	260	4·8	270	5·0	280	4·0	280	4·8	280	5·1	280	5·2	280	5·1	270	5·3	210	2·4	—	1·2	5·2	10
230	4·8	220	5·9	210	5·3	210	5·3	200	5·5	210	5·4	220	4·6	220	3·0	—	0·5	—	0·5	—	0·4	—	0·5	2·6	11
210	7·1	210	6·6	210	6·5	210	6·6	210	6·6	200	5·4	200	4·5	200	4·5	200	3·2	200	2·8	200	3·0	200	2·8	3·8	12
210	4·5	220	5·5	210	6·6	220	9·0	220	9·6	210	8·9	210	9·0	210	8·2	210	7·2	190	6·8	200	7·5	200	8·9	4·8	13
240	3·4	230	3·5	220	3·5	210	4·3	210	4·5	220	4·0	270	3·0	270	2·0	—	0·5	—	0·6	—	0·7	—	0·5	3·6	14
—	1·0	—	1·4	—	1·4	10	1·9	310	4·7	290	6·2	320	5·0	320	4·4	320	5·3	310	6·3	310	6·5	320	2·8	2·2	15
20	6·9	30	7·1	30	5·2	30	4·5	30	4·4	20	3·6	20	2·8	—	1·3	40	1·7	—	0·0	—	0·0	—	0·0	4·6	16
260	5·2	280	4·8	280	4·9	280	4·7	290	2·9	270	3·3	260	3·1	240	3·6	230	2·3	—	0·5	—	1·2	—	0·2	3·0	17
300	6·4	300	6·8	300	8·3	310	8·5	300	7·2	290	6·5	290	5·2	280	5·6	280	6·3	290	8·4	290	6·5	†	†	—	18
280	5·5	280	5·9	290	7·3	290	6·8	290	5·5	280	4·4	280	3·5	260	2·5	250	4·0	250	2·5	—	1·2	—	0·7	—	19
210	11·2	210	10·8	200	11·5	200	11·0	210	11·1	210	10·3	210	10·4	200	9·8	200	9·1	200	7·6	200	7·9	200	7·4	8·5	20
240	6·0	230	7·5	240	6·8	250	7·3	240	6·5	230	7·7	230	6·8	230	4·4	220	4·5	220	3·2	230	3·0	250	1·8	4·7	21
220	2·0	230	2·5	—	0·8	—	1·3	240	3·0	—	1·3	—	0·2	—	1·5	—	1·2	310	1·6	310	2·3	310	3·3	**1·4**	22
60	5·6	70	6·0	60	6·1	60	5·7	70	6·0	70	6·0	60	5·7	60	4·6	50	3·5	50	2·5	40	2·2	10	2·8	4·0	23
300	1·9	—	1·3	—	1·0	—	1·4	—	0·4	—	0·7	—	0·3	—	0·7	—	0·0	—	0·0	—	1·0	—	1·2	1·9	24
230	2·6	240	3·2	230	4·7	230	4·6	230	4·6	250	5·0	250	4·8	250	4·0	—	0·0	—	0·0	—	0·0	—	0·0	2·3	25
200	10·3	200	10·6	210	8·1	210	6·9	200	5·5	250	5·8	270	5·7	270	6·4	270	4·9	270	5·3	270	5·0	270	4·9	5·5	26
270	5·4	270	5·5	270	5·7	270	5·2	270	5·0	270	4·1	270	2·7	270	3·5	260	2·2	260	2·0	270	2·3	270	1·9	3·9	27
*	*	*	*	220	6·4	240	5·0	220	5·0	220	4·5	220	3·6	220	2·2	—	0·5	—	0·0	—	0·0	—	0·0	—	28
230	9·6	210	7·6	190	7·4	180	6·7	190	5·3	280	5·0	270	3·6	270	3·3	280	3·0	280	4·0	290	4·1	280	3·9	4·7	29
220	8·6	220	9·2	220	10·0	220	9·7	200	8·4	200	8·5	200	6·2	210	5·1	200	5·8	200	7·8	190	7·7	200	8·0	5·9	30
230	12·4	230	8·9	230	9·5	250	8·0	260	9·5	250	9·3	270	4·5	250	3·5	250	4·1	200	2·4	220	4·1	220	4·5	7·8	31
—	**6·9**	—	6·6	—	6·3	—	6·3	—	6·3	—	6·3	—	5·3	—	4·9	—	4·2	—	3·9	—	3·9	—	3·6	5·1	‡

August, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
270	9·7	270	8·6	270	9·5	280	8·4	280	7·5	280	5·6	280	6·2	270	5·8	260	5·4	250	5·0	270	5·3	280	4·1	7·0	1
280	6·3	260	4·5	270	5·0	270	4·6	260	3·7	260	3·6	260	3·7	260	2·4	¶	¶	¶	¶	¶	¶	—	0·3	—	2
270	4·0	260	4·0	250	4·4	250	5·1	260	5·2	260	3·6	240	2·2	230	2·0	—	0·1	—	0·0	—	0·0	—	0·0	1·7	3
—	0·8	—	1·1	80	3·5	80	5·1	80	6·0	90	4·6	90	2·6	—	1·4	70	1·7	60	2·8	40	3·0	20	2·0	1·6	4
—	1·0	190	3·4	200	3·5	200	2·9	190	3·0	200	2·2	—	0·9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	5
180	1·7	210	2·3	180	2·8	160	3·3	—	1·4	20	3·2	30	3·2	—	1·0	—	0·1	—	0·1	30	1·6	30	1·9	1·0	6
100	5·9	80	6·4	70	7·0	70	6·0	60	6·6	60	5·5	50	5·6	40	5·2	40	5·4	40	5·6	40	6·3	40	6·0	4·6	7
30	10·8	30	10·0	30	9·7	40	10·0	40	9·4	40	9·3	40	9·1	40	8·8	40	8·6	40	8·0	40	7·7	30	9·5	8·0	8
30	8·6	30	8·2	30	7·2	30	7·1	30	6·7	30	5·3	10	1·9	—	0·5	—	1·0	360	1·9	20	2·3	350	2·6	7·0	9
—	0·5	—	0·4	—	0·5	—	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	0·2	—	0·1	—	0·1	**0·5**	10
300	2·6	250	3·8	250	3·7	240	4·0	240	5·5	240	4·8	240	2·6	240	3·0	—	0·0	—	0·0	—	0·0	—	0·0	1·7	11
180	6·1	180	6·1	190	7·0	210	8·8	250	5·9	290	3·6	290	3·5	300	2·9	280	4·0	270	6·5	260	4·6	250	4·4	3·8	12
280	6·8	270	5·4	260	8·1	250	7·6	270	5·6	280	7·2	280	4·7	260	4·0	270	4·0	260	2·4	—	0·5	—	0·6	4·5	13
260	3·6	270	4·2	270	2·5	240	4·2	240	4·7	240	3·4	270	1·9	280	1·6	290	2·5	—	0·6	—	0·2	—	0·2	2·3	14
240	7·8	240	8·9	240	7·5	230	6·6	230	7·1	240	7·4	230	6·2	240	7·7	230	7·6	220	5·9	210	6·7	210	6·5	5·1	15
220	7·7	220	8·8	240	7·0	240	6·6	250	6·7	230	5·0	210	4·3	210	2·6	210	3·4	200	6·1	190	6·0	210	4·2	8·0	16
250	9·4	250	10·7	240	10·6	250	10·6	†	9·9	260	9·8	260	10·3	260	8·6	270	7·9	270	7·2	270	6·8	240	4·7	8·3	17
280	6·5	280	7·5	280	7·5	280	10·1	280	6·2	280	4·6	270	2·5	—	1·3	270	4·2	270	4·6	280	7·0	280	3·4	5·0	18
210	5·0	210	4·9	240	4·7	230	5·4	220	6·4	220	6·6	220	7·0	220	7·2	220	5·0	210	4·3	210	2·6	210	4·3	4·3	19
220	7·1	210	6·4	200	5·3	200	4·8	200	4·9	210	4·8	210	4·1	—	0·5	—	1·3	—	0·5	—	0·1	—	0·2	4·9	20
—	0·2	—	0·2	220	2·1	190	4·6	190	4·4	200	3·4	210	2·4	210	2·1	200	1·9	200	1·8	200	2·3	200	2·5	1·5	21
230	3·9	210	5·4	210	5·5	210	6·6	220	4·6	210	5·3	200	5·4	200	6·5	220	5·5	270	7·5	270	8·9	280	9·1	3·7	22
290	9·8	300	8·5	290	10·0	280	9·6	290	9·2	280	9·0	290	9·4	290	8·6	280	9·6	280	9·9	280	10·1	290	9·6	**10·5**	23
200	9·1	200	7·6	190	5·4	190	4·2	—	1·1	170	1·9	250	5·0	250	4·3	240	4·7	230	4·3	240	6·5	250	4·2	4·6	24
280	5·9	280	6·4	290	6·7	300	5·5	280	5·5	290	5·3	290	7·9	290	6·8	290	8·4	290	7·0	280	7·4	280	3·0	4·7	25
190	8·0	190	10·4	200	12·0	200	12·6	200	9·9	190	11·0	190	10·6	200	10·6	190	9·2	180	8·0	180	9·9	190	10·9	7·1	26
200	9·8	200	9·9	200	9·7	200	9·5	200	8·2	190	6·6	190	7·4	200	5·5	170	3·9	160	4·1	170	3·8	170	2·8	8·1	27
—	1·1	—	0·8	70	2·7	90	4·0	100	3·1	110	2·6	—	0·9	—	0·4	—	0·5	—	1·3	—	0·8	—	1·1	1·1	28
200	9·9	200	10·0	210	9·1	200	9·5	200	8·0	200	6·8	190	5·3	190	4·7	190	5·0	190	4·6	180	3·0	180	3·0	4·8	29
130	1·8	170	2·1	160	1·9	140	2·7	150	1·9	—	0·3	—	0·4	—	0·1	—	0·3	—	0·3	—	0·4	—	0·7	1·5	30
150	3·1	140	1·8	140	1·9	150	2·4	140	3·2	160	3·8	150	2·4	—	1·1	—	0·1	—	0·2	—	0·1	—	0·0	1·9	31
—	5·8	—	5·9	—	6·1	—	**6·4**	—	5·7	—	5·2	—	4·7	—	4·0	—	3·8	—	3·8	—	3·9	—	3·5	4·4	§

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

§ Mean for 29 days only, omitting 2nd, 5th. ¶ Clock stopped.

Direction expressed in degrees from North ($E = 90°$, $S = 180°$, $W = 270°$, $N = 360°$). *Speed in metres per second.*

175. Eskdalemuir : H_a (height of head of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·8	320	2·2	320	1·7	320	2·0	320	2·7	—	1·4	—	0·5	350	2·5	330	2·7	10	4·3	10	4·9	20	4·8
2	360	3·5	360	3·5	360	2·5	10	4·0	10	4·6	10	4·5	30	4·9	30	5·3	20	6·1	20	3·8	30	4·9	30	5·0
3	—	0·6	—	1·3	—	0·8	—	0·7	—	0·2	—	0·2	—	0·2	—	1·1	210	2·1	—	0·1	—	0·0	—	0·6
4	310	2·6	30	2·8	20	2·5	20	2·5	20	2·6	20	3·8	20	2·6	10	2·9	20	2·5	30	2·4	360	2·5	60	1·8
5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	0·0	—	0·0	—	0·6	170	3·0	170	4·2	190	4·5
6	180	2·6	180	1·7	—	0·6	—	0·4	—	0·9	—	0·0	—	0·3	—	0·4	60	1·7	50	3·1	60	5·8	50	6·4
7	—	1·0	340	2·4	350	1·8	350	1·9	350	1·8	—	0·4	—	1·4	340	2·0	40	2·1	—	1·0	30	3·6	20	3·9
8	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	0·9	210	2·7	130	4·0
9	340	4·9	340	5·1	340	5·4	350	5·3	340	4·5	340	4·2	310	5·0	360	6·7	350	7·9	10	8·5	360	7·5	360	6·6
10	—	0·0	—	0·0	—	0·0	—	0·1	—	0·6	—	0·6	—	0·0	—	0·0	—	0·9	170	†	100	†	140	†
11	210	2·1	—	0·3	210	2·2	200	1·9	200	2·3	200	2·7	220	4·0	230	5·0	210	4·3	200	6·1	210	6·4	220	6·8
12	190	3·3	190	4·0	190	3·7	190	4·7	180	4·0	180	5·8	170	4·9	150	5·7	140	5·2	150	5·7	150	6·5	140	6·7
13	100	8·5	100	8·2	90	7·0	70	7·0	70	6·4	50	4·5	40	4·8	40	5·5	40	5·1	60	6·8	60	6·5	40	6·3
14	10	8·7	20	7·1	10	6·5	10	6·0	360	7·0	360	8·0	360	8·8	360	7·7	350	7·4	340	6·5	350	7·7	350	7·7
15	340	8·5	340	5·7	330	8·2	330	7·4	330	8·2	330	6·8	330	6·5	340	8·6	340	8·5	340	7·0	340	6·0	340	4·6
16	—	0·0	—	0·1	—	0·4	210	4·3	190	4·0	200	6·3	200	9·0	200	8·7	200	10·0	210	8·0	210	9·8	210	10·1
17	†	6·5	†	9·1	†	10·2	†	11·8	†	12·5	†	12·4	210	13·5	220	13·0	220	13·3	220	11·5	220	11·2	220	10·6
18	—	0·8	290	2·3	—	1·0	—	0·6	—	0·9	—	1·2	—	1·3	130	2·5	190	4·7	210	6·8	210	6·7	210	8·5
19	210	4·5	200	5·1	190	5·5	190	9·0	190	9·8	200	10·2	190	9·7	190	9·7	200	8·9	210	9·3	220	8·1	210	7·6
20	250	16·5	250	16·1	250	12·7	250	11·7	250	9·8	260	11·4	260	9·6	260	7·5	260	6·5	250	6·2	250	7·0	240	7·8
21	—	0·0	—	0·0	—	0·8	330	1·7	330	3·0	330	3·5	320	3·3	320	3·0	350	4·0	360	4·6	360	5·7	360	6·3
22	130	3·1	130	2·5	130	2·5	130	2·5	130	2·5	130	2·4	130	1·7	—	0·0	—	0·0	—	0·4	—	0·6	300	2·4
23	—	0·1	—	0·1	—	0·3	—	0·1	—	1·0	†	2·1	—	1·0	—	1·0	10	3·8	60	3·2	90	3·1	100	3·4
24	†	1·7	—	1·1	—	0·9	—	0·7	—	0·9	—	0·4	—	0·3	—	0·1	—	0·1	—	1·5	140	2·1	130	1·8
25	—	0·1	—	0·7	—	0·4	—	0·2	—	0·1	—	0·0	—	0·0	—	1·2	160	3·5	160	5·7	150	5·7	150	5·5
26	110	7·3	100	7·0	110	7·0	100	7·7	100	7·6	90	8·4	120	7·6	120	8·8	120	8·3	130	8·4	130	9·2	130	7·8
27	50	2·5	40	4·3	40	4·8	40	4·0	40	3·0	40	3·2	40	2·8	50	2·8	60	2·8	80	4·8	90	4·1	90	4·7
28	360	4·2	360	4·1	360	4·2	360	4·5	360	4·2	360	4·0	360	4·5	360	3·8	360	3·0	360	3·8	360	3·0	—	1·3
29	270	7·2	280	9·8	280	10·0	290	9·0	300	8·5	290	7·0	290	6·8	290	6·1	290	7·1	290	10·1	290	9·8	290	10·1
30	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	0·0	220	2·8	180	4·3	170	3·4
Mean‡...	—	3·6	—	3·7	—	3·8	—	3·9	—	4·0	—	4·1	—	4·1	—	4·4	—	4·9	—	5·2	—	5·8	—	**5·9**

176. Eskdalemuir : $H_a =$ 235 metres + 15 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·9	—	0·4	—	0·4	280	2·8	290	3·3	280	2·5	260	2·4	290	4·8	290	5·0	280	4·6	270	3·9	280	3·7
2	240	9·6	250	7·6	250	7·1	250	7·8	260	7·5	250	6·6	250	7·0	250	8·2	260	8·4	260	8·3	250	7·9	250	8·0
3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	220	4·0	220	5·7	220	5·5
4	200	7·4	210	7·6	200	6·5	200	5·5	180	4·5	180	3·8	210	5·3	210	5·0	220	6·0	240	5·8	240	5·4	230	5·3
5	200	5·9	200	5·8	200	5·3	190	5·2	190	5·5	200	4·2	200	2·0	180	2·4	190	3·8	210	3·7	240	2·6	—	1·0
6	40	7·5	50	7·4	50	7·8	40	6·4	40	5·6	40	3·9	30	4·6	30	3·4	40	4·5	60	5·3	60	5·0	50	5·2
7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1
8	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
9	—	0·1	—	0·3	—	1·0	—	0·0	—	0·0	—	1·3	—	0·0	—	1·4	90	2·1	120	2·4	110	1·7	160	2·4
10	350	2·0	360	1·7	350	2·7	350	2·5	350	2·1	350	1·7	—	1·3	—	1·4	50	2·5	60	3·1	60	4·0	60	3·4
11	360	1·9	360	3·1	360	2·8	—	1·5	—	1·5	360	2·0	350	2·8	350	2·6	—	1·4	—	1·1	160	4·0	170	4·1
12	190	4·4	180	5·6	190	5·0	210	6·0	200	6·3	180	6·4	200	5·0	200	4·8	180	4·2	190	4·1	160	4·9	160	4·4
13	180	3·5	180	3·8	200	2·8	190	3·5	200	2·7	200	2·0	—	0·5	—	0·6	170	3·9	180	5·6	180	6·0	190	6·1
14	—	1·5	—	0·6	—	0·3	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	1·1	170	2·5	190	3·5
15	—	0·5	—	0·9	—	0·8	—	0·7	—	1·1	—	1·5	330	2·6	—	1·5	—	1·1	—	1·0	—	1·5	160	3·1
16	20	5·4	20	3·4	360	3·0	360	3·8	360	3·5	10	3·7	10	4·2	360	3·0	30	5·2	40	6·6	30	5·0	50	5·4
17	30	6·0	40	7·0	30	5·6	30	5·5	30	4·5	20	3·9	20	2·0	50	2·8	60	4·2	60	8·1	70	9·0	80	9·2
18	80	7·0	70	4·9	60	5·4	50	4·6	40	4·5	40	3·0	60	3·8	60	5·5	50	5·7	80	8·7	80	8·5	80	7·6
19	50	4·0	50	3·5	40	5·2	40	6·0	40	5·1	30	5·5	30	4·0	30	5·7	30	6·3	50	7·2	50	8·9	60	9·1
20	30	4·6	30	4·8	30	4·8	30	3·8	20	5·4	20	6·4	30	6·8	40	7·5	40	6·8	50	7·8	50	8·1	40	8·6
21	30	9·2	30	8·5	20	8·6	30	7·8	20	7·3	20	6·1	20	5·6	20	5·6	30	7·5	40	8·5	40	9·9	50	10·4
22	20	5·3	10	4·7	10	5·8	10	5·0	30	4·4	70	3·8	—	1·4	—	0·1	30	4·0	30	5·4	20	7·5	20	7·5
23	30	5·5	30	6·0	30	4·6	30	4·1	20	5·2	30	5·4	360	4·2	360	2·8	360	4·6	10	5·4	30	5·2	30	5·0
24	330	3·3	330	3·6	320	4·4	310	4·9	300	4·0	290	2·6	300	2·2	—	1·3	—	0·6	—	0·0	360	2·0	360	2·5
25	350	3·0	350	2·8	—	0·4	—	0·7	—	1·0	—	0·3	—	0·0	—	0·0	—	0·0	—	0·0	70	2·9	70	3·5
26	—	1·4	—	0·7	—	0·3	—	0·0	—	1·5	—	1·4	—	1·0	—	0·1	—	0·3	—	0·9	70	4·3	70	5·0
27	—	0·3	—	0·2	360	1·6	360	4·2	360	4·9	20	7·4	360	6·5	10	7·0	10	7·5	10	8·0	30	8·5	30	7·7
28	360	5·5	360	4·9	360	5·5	360	6·0	360	6·5	360	6·4	360	5·8	360	5·6	360	5·8	360	6·0	360	5·1	360	5·2
29	360	2·6	360	3·3	360	4·2	360	4·0	360	3·7	360	4·6	30	3·0	10	4·5	10	4·9	20	5·0	20	3·8	30	5·1
30	20	5·9	20	6·5	20	6·4	20	7·0	10	8·6	10	7·1	10	5·5	10	7·4	10	7·0	30	6·9	20	6·8	20	6·2
31	—	0·8	—	0·0	—	0·0	—	0·0	—	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	260	2·3	200	4·8
Mean ...	—	3·7	—	3·5	—	3·5	—	3·5	—	3·6	—	3·3	—	**2·9**	—	3·1	—	3·7	—	4·3	—	4·9	—	5·1
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

† Defective record.
‡ Mean for 26 days only, omitting 10th, 24th, 27th, 28th.

Averages for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

September, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
30	6·3	40	6·6	30	5·6	40	5·3	30	5·0	30	6·5	20	4·3	20	3·5	10	2·8	360	2·2	360	3·1	360	2·8	3·5	1
30	4·1	40	2·9	40	2·6	—	0·6	—	0·5	—	1·5	—	0·6	—	0·4	—	0·6	—	0·3	—	0·3	—	0·5	2·9	2
—	1·0	—	0·5	—	0·6	—	0·2	—	0·1	—	0·5	—	1·5	—	1·3	350	2·6	—	1·4	350	2·7	330	2·9	**0·9**	3
80	1·6	—	0·6	—	0·9	—	0·4	—	0·4	180	1·7	—	0·5	—	1·5	—	0·5	—	0·6	—	1·2	—	0·5	1·8	4
210	4·5	220	4·1	210	5·0	200	5·1	210	4·5	210	2·1	—	0·4	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	1·6	5
50	5·4	50	5·0	50	5·4	50	5·3	50	5·1	40	3·1	20	3·0	250	3·4	350	3·0	220	2·8	230	3·3	—	0·6	2·9	6
50	3·1	50	3·5	60	3·5	50	3·7	60	3·4	—	0·9	—	1·0	†	3·1	350	2·5	—	0·5	—	0·3	—	0·1	2·1	7
20	3·4	30	7·7	30	6·1	20	5·5	20	5·0	20	6·0	10	4·5	10	3·9	30	4·2	10	4·6	20	6·8	10	3·2	2·8	8
360	6·1	360	5·6	360	5·5	360	5·0	360	4·3	360	3·1	360	2·9	350	2·6	340	3·0	—	0·5	—	0·5	—	0·0	4·7	9
240	2·1	260	3·3	230	3·8	200	4·6	200	5·0	200	3·4	—	0·3	—	0·5	200	2·3	200	†	200	3·4	200	2·3	—	10
210	6·3	210	6·2	210	6·2	210	6·0	210	5·3	210	5·5	210	4·8	210	4·2	200	3·8	200	2·3	200	2·6	190	3·0	4·2	11
140	7·7	130	6·6	140	8·2	140	9·2	130	7·8	130	7·6	130	7·7	130	6·5	100	6·3	110	7·2	110	8·2	110	7·9	6·2	12
30	7·1	40	6·7	40	8·0	30	8·1	20	8·1	20	7·4	20	7·1	20	7·3	20	7·6	20	8·5	20	8·9	20	8·8	7·1	13
350	7·5	350	7·5	350	7·0	340	7·1	350	7·3	350	6·1	350	6·3	350	6·4	350	6·0	340	4·5	330	8·1	330	8·3	7·1	14
330	4·7	320	5·7	310	4·8	330	3·3	340	1·7	—	0·4	320	2·2	290	5·7	290	2·7	—	0·9	—	0·5	—	0·1	5·1	15
200	9·0	190	10·2	200	10·8	210	12·0	190	10·2	210	9·5	210	10·6	220	10·1	230	9·5	250	8·1	240	9·0	†	8·9	7·7	16
220	9·8	250	9·6	260	10·8	260	7·3	270	7·6	310	5·1	310	6·3	330	6·6	330	6·2	—	1·3	—	0·7	—	0·8	8·8	17
210	9·0	210	8·5	210	7·8	210	6·4	210	5·9	200	5·4	200	6·4	200	4·8	200	6·8	200	7·0	210	7·3	220	6·0	4·8	18
220	8·0	230	12·5	220	11·7	220	12·3	210	11·0	220	11·5	220	9·5	210	9·8	210	10·9	220	12·5	240	13·5	240	13·7	**9·6**	19
240	7·0	250	6·8	250	6·5	250	7·6	250	6·5	240	5·5	240	3·2	240	2·7	—	1·1	200	1·9	—	0·5	—	0·0	7·5	20
360	4·0	360	3·7	340	3·2	30	3·5	30	3·0	30	2·8	40	2·5	40	2·7	10	3·4	10	3·3	70	2·8	130	2·2	3·0	21
280	2·7	280	3·5	290	5·0	310	3·4	320	2·5	340	1·7	350	2·2	—	1·5	—	0·8	—	0·2	—	0·5	—	0·6	1·9	22
100	3·5	110	4·0	130	5·1	100	5·2	100	4·9	100	3·0	—	0·2	—	0·4	—	1·0	80	1·9	—	0·5	40	1·6	2·1	23
150	2·8	†	†	†	†	†	†	—	0·3	—	0·0	—	0·0	—	0·0	—	0·1	—	0·0	—	0·0	—	0·0	—	24
140	4·9	130	5·2	110	7·5	120	5·7	110	6·0	110	6·7	100	5·8	100	6·3	110	6·5	120	7·0	130	6·6	130	7·4	4·0	25
140	6·8	140	6·5	140	4·5	130	5·0	130	5·0	110	6·5	110	5·5	120	4·2	100	4·8	100	5·3	100	5·1	80	4·5	6·7	26
70	4·9	60	5·6	60	6·9	60	5·8	50	5·0	50	5·0	50	3·5	40	2·5	—	1·5	360	2·3	360	3·2	360	†	—	27
—	0·6	—	0·1	—	0·0	—	0·4	300	2·9	300	3·4	280	7·0	280	9·9	290	10·7	290	7·5	270	7·5	270	6·4	—	28
280	9·0	280	6·4	310	6·3	310	4·6	290	4·3	290	4·0	—	1·4	290	2·4	—	0·4	—	0·3	—	0·2	—	0·0	6·0	29
170	2·4	180	3·2	180	4·6	190	4·1	180	2·5	190	2·4	—	1·4	—	0·3	—	0·1	—	0·0	—	0·0	—	0·0	1·3	30
—	5·6	—	5·7	—	**5·9**	—	5·5	—	4·9	—	4·5	—	3·9	—	3·9	—	3·7	—	3·3	—	3·6	—	**3·3**	4·5	‡

October, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
270	3·4	260	4·3	260	5·0	270	3·8	270	3·5	260	1·8	—	0·0	260	4·5	260	5·0	210	4·4	190	3·6	230	7·4	3·2	1
260	6·9	250	7·7	270	5·8	260	6·4	250	5·4	260	3·7	—	0·7	—	0·5	—	0·0	—	1·5	280	1·9	280	1·7	5·8	2
220	7·3	230	5·8	210	5·8	220	4·2	220	3·8	210	3·6	210	3·4	210	3·9	210	4·2	210	5·1	200	6·3	200	6·5	3·0	3
220	5·3	220	5·2	210	4·7	210	5·4	200	4·5	200	2·0	210	7·2	210	6·4	200	4·6	200	2·8	200	5·8	200	6·8	5·4	4
—	0·9	350	1·6	20	3·1	30	3·6	20	4·1	10	2·4	360	2·7	10	3·8	40	5·7	30	6·8	30	7·0	40	8·4	4·0	5
60	5·5	60	5·6	60	5·0	60	4·6	60	2·6	—	1·0	340	3·0	340	3·4	350	2·6	350	2·1	—	0·0	—	0·0	4·4	6
80	2·6	70	4·0	70	3·3	70	3·0	70	1·7	—	1·4	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	0·7	7
—	1·5	40	2·0	60	1·6	—	0·0	—	0·0	50	2·1	30	2·8	40	3·2	40	1·7	—	0·0	—	0·0	—	0·0	**0·6**	8
—	0·7	—	0·0	—	0·0	—	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·5	350	2·2	**0·6**	9
60	2·0	80	2·3	—	0·5	—	0·0	—	0·1	—	0·0	—	1·4	40	2·0	30	2·0	50	2·1	—	1·5	—	1·5	1·8	10
180	4·5	180	4·6	180	3·9	190	3·4	190	2·6	—	0·1	—	0·0	—	0·0	210	1·9	200	2·4	190	3·4	180	4·0	2·4	11
170	6·4	170	5·6	180	7·6	200	11·0	200	9·9	210	10·0	230	10·8	220	9·9	210	8·5	200	5·9	200	4·6	190	3·5	6·5	12
190	5·8	190	4·8	190	4·5	190	3·5	190	3·2	—	0·2	—	0·2	—	0·0	—	0·0	—	0·3	—	0·1	—	0·2	2·7	13
210	3·0	220	2·5	230	3·1	230	2·4	—	1·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	0·2	—	0·3	0·9	14
160	4·0	170	2·8	—	1·5	100	2·2	30	1·7	360	2·0	280	4·4	360	3·6	360	3·7	360	4·0	300	3·2	360	3·5	2·1	15
50	7·1	40	5·5	50	6·2	50	7·2	10	4·1	360	4·1	360	4·6	360	4·8	360	3·8	360	4·5	360	4·0	360	5·8	4·7	16
80	9·1	80	7·1	90	7·0	90	4·6	80	3·5	70	3·9	70	5·0	70	4·6	80	6·7	80	6·1	70	5·6	80	7·5	5·7	17
80	6·9	70	7·4	80	7·5	70	6·6	70	6·0	60	3·9	50	3·8	60	4·2	40	3·9	40	2·8	60	4·5	40	5·1	5·5	18
60	10·0	60	8·2	50	7·0	40	6·6	30	5·2	20	6·0	30	6·8	30	7·0	30	7·0	30	6·7	20	7·0	30	5·2	6·4	19
50	9·0	40	8·0	40	7·3	40	8·1	30	8·5	30	6·9	30	6·2	20	6·1	30	8·0	20	9·1	20	8·0	20	8·0	**7·0**	20
50	9·1	50	8·8	30	7·6	30	6·4	30	5·9	30	6·3	30	4·7	30	5·0	30	4·2	30	3·6	30	5·0	20	4·6	**7·0**	21
20	7·3	20	8·4	20	7·6	20	7·4	20	6·5	30	6·0	30	6·9	20	6·0	20	5·3	30	5·3	20	4·0	20	4·7	5·4	22
30	4·9	30	4·5	30	3·6	30	3·8	360	2·6	10	2·6	—	0·3	—	0·0	—	0·0	—	0·0	—	1·5	350	2·0	3·5	23
360	2·5	360	2·6	350	2·4	340	2·9	—	1·5	350	2·4	—	0·2	—	0·1	—	0·9	350	2·9	350	2·7	350	3·7	2·3	24
60	3·1	80	3·3	60	1·9	—	0·9	—	0·7	—	1·0	360	2·0	360	2·4	—	1·4	360	1·9	—	1·2	360	1·8	1·5	25
70	4·6	60	4·5	50	5·7	60	5·0	50	3·8	50	4·6	50	4·4	40	2·5	40	1·7	—	1·2	—	0·5	—	0·2	2·3	26
20	8·1	30	7·0	20	7·3	20	7·0	10	5·8	20	5·8	360	5·1	360	5·0	360	3·5	360	7·2	360	6·4	360	7·1	5·7	27
360	6·1	360	6·1	360	4·0	360	3·6	360	4·8	360	3·8	360	2·3	360	4·9	20	3·3	30	3·2	360	2·2	360	2·9	4·9	28
20	4·7	20	4·4	20	4·9	10	4·0	20	4·8	20	3·8	20	4·2	20	4·0	20	5·4	20	5·7	20	5·6	20	5·4	4·3	29
20	6·0	20	5·5	360	4·6	360	4·7	360	3·8	360	4·6	360	4·8	360	4·4	360	2·7	360	2·4	360	3·0	—	1·5	5·5	30
210	6·9	200	6·4	190	5·7	210	6·0	190	4·6	200	5·1	200	5·8	200	6·9	210	7·7	200	7·1	200	9·4	200	11·0	3·6	31
—	**5·3**	—	5·1	—	4·7	—	4·5	—	3·7	—	3·3	—	3·3	—	3·5	—	3·4	—	3·5	—	3·5	—	3·9	3·9	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second.

177. Eskdalemuir : H_a (height of head of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	200	11·2	210	11·5	200	11·0	190	11·6	170	9·9	170	10·4	170	7·0	160	3·1	330	3·8	330	6·9	330	6·0	280	8·8
2	300	12·0	290	10·1	280	9·3	280	8·9	280	8·1	280	9·6	280	8·4	280	7·4	280	8·7	280	9·7	280	8·7	280	9·4
3	240	10·0	250	9·5	250	9·4	250	7·5	250	6·8	250	5·7	180	3·0	210	2·4	220	2·5	—	1·4	†	3·3	†	3·2
4	†	2·7	†	3·1	—	0·6	†	5·1	†	5·9	†	4·2	†	8·4	†	8·4	†	9·9	300	8·7	300	8·5	300	9·0
5	—	0·8	—	0·7	—	0·5	—	0·5	—	0·3	—	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	1·0
6	160	6·3	170	5·0	170	4·5	160	5·0	160	5·0	160	5·6	160	5·6	150	5·5	150	5·8	150	5·4	160	4·7	150	4·0
7	350	2·1	—	0·4	—	0·3	340	4·4	330	2·6	330	4·0	310	1·9	310	2·2	300	7·5	300	7·5	290	5·3	290	6·0
8	—	0·9	220	3·2	220	2·4	200	3·0	220	2·2	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	200	3·5	220	5·2
9	290	1·7	290	2·4	300	3·5	360	2·3	—	0·7	360	2·8	360	3·0	360	4·0	—	0·4	—	0·0	40	1·5	60	1·8
10	170	5·9	170	7·5	170	5·5	170	5·4	170	6·3	160	5·5	160	5·4	160	5·6	160	7·0	160	6·5	160	6·0	160	6·9
11	340	6·8	350	7·9	340	5·6	360	5·6	360	3·1	360	2·5	360	1·9	360	2·0	—	1·5	—	0·5	—	0·4	—	0·4
12	—	0·0	—	0·0	—	0·0	—	0·0	—	1·2	170	1·7	—	1·5	—	0·8	170	2·4	200	3·6	210	5·0	210	6·2
13	210	5·0	200	5·0	210	4·9	200	5·1	210	4·2	210	5·4	200	5·0	200	6·3	210	6·6	210	6·5	210	6·3	210	5·2
14	210	4·1	210	5·5	210	5·5	190	4·0	200	5·4	200	6·4	220	6·3	240	5·7	230	4·6	210	4·0	230	5·0	240	5·6
15	360	3·5	360	3·5	340	3·2	—	1·4	—	0·9	—	0·7	—	0·2	—	0·1	—	0·0	—	0·0	—	0·0	—	0·6
16	250	4·0	240	4·5	210	3·1	220	3·6	240	4·4	230	3·8	240	5·8	220	5·0	230	3·6	—	1·3	260	3·5	270	4·6
17	270	2·8	290	3·3	280	4·5	280	5·3	280	6·5	280	5·4	280	5·0	260	5·9	250	6·3	290	5·1	250	3·1	280	5·1
18	300	10·5	300	12·0	300	10·7	300	9·4	300	9·5	310	6·0	330	4·5	310	7·3	310	5·8	320	7·1	330	5·2	340	3·1
19	310	3·5	360	2·3	310	5·3	290	5·4	350	2·7	—	0·7	—	0·5	—	0·3	—	0·5	360	2·4	—	0·6	—	1·5
20	—	0·5	—	0·2	—	0·8	—	0·4	—	0·2	—	0·3	—	0·3	—	0·3	—	0·3	—	0·0	—	0·1	—	0·0
21	—	0·0	—	0·1	—	0·1	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
22	190	2·3	200	3·0	240	4·4	240	5·7	240	7·0	240	4·4	230	3·2	240	2·6	240	1·8	—	0·4	190	2·2	210	3·4
23	230	5·5	230	5·1	210	5·1	220	5·5	200	3·4	210	3·0	220	4·0	220	5·8	200	5·9	200	5·0	220	6·6	240	7·6
24	290	6·1	300	6·8	320	7·2	320	7·0	310	3·5	—	0·6	—	0·5	—	0·7	—	0·6	320	2·6	340	4·5	340	5·0
25	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	1·2	180	4·7	190	5·3	200	5·5	190	3·8
26	290	9·9	290	8·3	280	7·8	280	8·1	280	8·6	280	10·1	280	10·9	290	9·2	10	7·0	40	2·7	30	2·4	30	2·2
27	340	1·8	210	2·9	240	2·0	270	1·6	250	3·0	240	1·9	—	1·0	320	4·4	320	4·0	320	3·7	320	4·4	310	2·6
28	260	5·9	280	12·9	280	16·0	290	18·6	300	20·1	300	21·3	300	18·4	310	18·5	310	19·1	310	14·4	300	12·6	300	12·5
29	300	18·6	300	17·2	300	20·0	300	17·3	300	14·3	300	12·2	300	12·4	300	16·2	300	18·0	310	13·2	140	2·6	70	2·2
30	240	3·3	240	4·5	240	5·7	240	5·7	230	6·4	230	5·2	230	5·2	230	6·5	220	6·0	220	6·5	210	9·4	210	10·0
Mean ...	—	4·9	—	5·3	—	5·3	—	**5·5**	—	5·1	—	4·7	—	4·3	—	4·6	—	4·8	—	4·3	—	**4·2**	—	4·6

178. Eskdalemuir : H_a = 235 metres + 15 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	230	9·4	240	9·1	240	6·8	260	6·9	270	5·7	280	5·6	290	9·2	290	8·4	290	8·8	310	13·1	310	11·8	310	10·0
2	300	1·9	290	1·8	300	4·4	—	1·4	360	3·0	—	1·0	300	6·5	290	6·3	260	2·0	270	5·0	280	5·7	290	5·1
3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	**0·0**
4	280	4·4	280	5·4	290	5·0	280	4·6	280	4·1	260	3·9	250	3·5	270	5·5	230	3·5	210	4·2	230	4·5	190	4·8
5	230	5·0	230	6·9	240	7·4	250	7·6	250	6·0	250	6·4	240	6·2	240	8·4	250	6·4	250	8·5	250	10·8	240	9·4
6	310	13·4	310	12·6	310	13·2	310	11·7	310	12·8	310	10·8	310	10·9	320	11·3	320	11·4	310	12·4	310	12·6	300	12·6
7	—	1·0	—	1·5	190	1·6	310	9·5	290	12·1	290	11·5	290	12·1	290	9·5	280	6·0	270	6·1	270	5·0	270	6·2
8	320	1·8	—	0·5	—	0·5	40	2·6	20	3·5	40	3·0	50	2·5	—	0·5	—	1·3	20	1·8	20	1·8	40	1·2
9	280	2·8	270	1·6	—	0·1	—	0·6	—	0·4	—	0·2	—	0·0	—	0·0	—	0·0	—	1·0	350	2·6	350	2·7
10	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	270	1·9	270	1·9
11	250	4·4	250	5·1	250	4·3	260	5·0	260	3·3	230	2·2	230	1·8	220	2·5	220	2·6	220	3·0	170	1·6	190	2·6
12	190	9·1	200	9·8	190	10·0	200	10·9	200	11·5	200	10·5	200	9·0	210	9·4	220	10·0	220	8·1	220	9·4	210	7·6
13	220	16·2	220	16·5	230	15·5	230	16·6	220	13·5	200	8·6	210	12·2	230	15·0	220	14·4	260	8·7	260	9·1	240	7·4
14	200	8·5	200	8·1	220	9·8	230	9·0	220	8·7	230	9·4	230	8·9	240	7·6	240	5·2	240	5·2	290	3·1	290	3·6
15	—	0·0	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	0·0	—	0·0	—	0·4	—	0·6	—	1·5
16	—	0·3	—	1·4	†	†	†	†	†	†	40	3·8	50	4·5	50	3·2	—	0·6	—	0·2	40	2·4	40	3·5
17	110	4·8	110	4·8	90	3·8	70	2·9	80	3·5	70	4·4	70	5·9	60	5·0	50	4·7	110	2·5	—	0·7	—	1·0
18	130	5·7	140	7·0	140	5·9	140	6·9	140	7·6	150	5·4	150	3·8	170	1·8	—	1·1	—	0·2	—	0·0	—	0·3
19	170	8·7	170	9·0	170	9·9	170	10·3	160	8·6	160	8·6	180	8·5	190	10·1	200	10·1	230	13·0	230	13·6	230	12·8
20	200	5·0	180	3·2	180	1·8	—	0·9	—	0·1	—	0·0	—	0·0	360	1·7	10	2·8	360	1·8	360	2·0	360	2·5
21	310	5·1	280	3·5	—	0·9	†	†	280	4·9	230	2·8	180	2·9	180	2·5	190	2·8	230	5·8	220	4·5	200	4·4
22	210	9·0	220	6·5	210	5·6	200	6·7	190	10·3	190	9·0	200	5·9	170	4·5	170	7·8	180	12·7	180	12·0	180	13·1
23	190	15·3	180	13·0	180	14·4	210	8·6	210	5·9	240	10·0	260	9·8	260	9·2	250	10·6	250	9·4	230	8·6	210	7·1
24	270	4·6	270	4·7	270	4·5	270	2·3	—	0·0	—	0·2	280	2·7	290	2·0	—	1·1	270	2·3	270	5·7	260	8·6
25	210	10·8	210	12·2	210	15·0	210	17·7	200	16·1	200	16·0	190	14·5	190	14·6	200	17·0	210	15·0	230	14·6	220	**15·0**
26	230	11·2	240	12·5	230	12·2	230	11·6	230	12·6	240	13·4	240	14·1	230	13·1	230	14·3	230	13·0	240	13·4	240	12·5
27	210	8·3	230	11·1	230	8·5	230	7·8	220	5·5	210	3·6	210	2·8	—	1·3	210	3·6	250	6·9	270	6·4	—	1·2
28	—	1·4	210	4·9	220	6·6	220	7·0	230	9·0	240	10·3	240	9·9	250	13·6	240	11·9	230	10·1	230	10·0	230	9·1
29	—	0·0	—	0·0	—	0·0	—	0·2	—	0·2	—	0·0	—	0·1	—	0·1	—	0·3	—	1·5	200	2·4	200	2·5
30	60	4·1	30	3·5	†	2·6	†	2·1	†	2·1	†	1·8	—	1·5	330	3·9	—	1·2	360	6·6	360	6·8	360	6·1
31	—	0·6	—	0·2	—	0·5	360	3·6	360	3·6	360	3·6	360	3·0	360	4·5	360	3·2	360	3·7	360	2·7	—	1·5
Mean‡ ...	—	6·1	—	6·2	—	6·2	—	**6·4**	—	6·2	—	5·8	—	6·1	—	6·1	—	5·9	—	6·2	—	6·3	—	6·0
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8		9.		10.		11.		Noon.	

† Defective record.
‡ Mean for 27 days only, omitting 16th, 21st, 29th, 30th.

Averages for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

November, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
280	8·4	280	10·0	300	10·2	300	10·8	300	10·9	290	11·7	290	12·8	300	11·1	300	12·6	300	12·0	290	9·9	290	9·2	9·7	1
280	9·2	280	8·5	270	7·6	260	10·6	260	12·1	260	9·8	250	8·0	250	8·6	250	8·3	230	9·7	240	9·6	230	8·9	9·2	2
†	1·6	—	1·0	—	0·7	†	3·1	—	0·5	—	0·4	†	2·7	†	4·4	†	5·0	†	5·0	†	4·6	†	4·7	4·2	3
300	9·5	310	8·0	300	7·7	300	5·6	310	4·4	310	7·3	310	5·1	—	1·0	—	0·8	—	0·4	—	0·3	—	1·1	5·3	4
170	3·7	170	5·4	170	6·0	170	6·3	170	6·2	170	5·7	170	5·5	160	5·0	160	6·8	170	7·0	170	6·6	170	6·9	3·0	5
130	3·2	130	2·1	—	0·1	—	0·2	—	1·0	—	1·2	350	2·0	—	1·4	—	0·6	350	2·0	350	2·8	360	2·5	3·5	6
290	5·0	280	3·5	290	5·9	280	8·4	280	7·6	280	8·0	280	6·4	240	4·2	140	2·5	—	1·4	200	3·2	200	1·7	4·3	7
230	4·6	230	3·0	220	2·2	210	2·4	220	3·5	240	3·0	260	2·0	270	1·7	—	0·7	—	0·5	—	0·5	—	1·4	1·9	8
100	2·0	160	1·9	160	2·8	140	1·7	—	0·2	160	2·7	160	2·4	170	4·9	160	4·1	170	4·0	160	5·0	160	6·5	2·5	9
160	8·0	160	7·2	160	6·3	180	7·6	180	4·6	260	5·0	310	11·1	320	12·9	320	12·4	330	10·4	330	8·9	340	8·8	7·3	10
—	1·4	280	2·9	290	2·5	290	1·6	—	0·6	—	0·3	—	0·0	—	0·3	—	0·2	—	0·0	—	0·1	—	0·2	2·2	11
220	6·8	210	6·5	210	6·5	220	6·0	210	4·5	220	5·2	210	5·0	200	4·9	200	3·5	200	3·5	210	5·4	200	5·6	3·5	12
210	4·8	200	4·5	200	4·2	200	2·2	210	2·1	—	0·2	200	2·0	200	2·8	200	2·0	210	2·4	210	4·4	220	3·6	4·2	13
260	7·2	260	4·3	270	5·4	270	4·9	280	4·5	—	1·3	—	0·8	—	0·4	—	0·2	—	0·8	40	3·1	40	2·5	4·1	14
200	3·2	240	3·9	230	4·4	220	3·5	220	3·7	230	4·4	240	4·3	240	4·7	230	4·6	230	3·1	240	3·1	250	4·1	2·5	15
240	6·1	240	6·1	270	7·5	280	7·5	290	11·5	290	13·4	290	10·0	280	8·4	270	6·7	260	5·4	210	5·1	150	3·0	5·8	16
300	9·0	300	10·7	290	9·4	290	7·4	290	5·1	300	5·1	300	7·7	300	10·3	300	10·9	300	12·6	300	12·1	300	11·9	6·9	17
320	2·5	330	4·0	340	3·1	340	1·8	—	1·4	—	0·5	—	0·5	330	1·8	330	2·8	330	3·5	320	3·5	290	3·0	5·2	18
280	3·5	290	3·5	290	2·4	—	0·4	—	0·4	290	2·5	290	3·4	300	2·4	290	3·1	290	2·0	—	1·0	—	0·7	2·2	19
—	0·0	360	1·8	—	0·1	—	0·0	—	0·0	—	0·1	—	0·0	—	0·0	—	0·0	—	0·1	—	0·0	—	0·0	**0·2**	20
—	0·2	—	1·0	—	0·7	190	1·6	—	1·5	200	2·2	200	2·0	—	0·4	200	2·1	190	3·1	190	2·5	200	2·8	0·8	21
220	4·2	240	4·8	230	3·3	230	4·6	220	3·6	230	4·0	210	3·5	230	4·0	240	5·6	230	6·1	230	6·2	220	4·9	3·9	22
270	9·4	270	8·0	260	8·1	260	5·6	260	6·1	270	7·2	280	7·5	290	8·0	300	8·0	300	8·7	300	7·8	300	8·0	6·4	23
350	4·1	360	3·4	360	2·8	340	1·7	—	1·4	—	0·3	—	0·5	—	0·8	—	0·5	—	0·0	—	0·0	—	0·0	2·7	24
230	4·5	220	3·9	240	7·5	250	5·5	250	4·8	270	4·5	250	3·5	230	5·0	270	7·0	280	6·5	280	7·1	280	8·0	3·5	25
360	4·4	360	6·4	360	6·3	350	5·2	360	3·8	—	1·1	360	1·8	360	3·5	—	0·7	—	0·7	340	4·4	350	6·5	5·5	26
270	2·5	250	3·6	240	3·0	200	2·4	150	4·1	170	2·0	290	6·5	280	8·1	270	3·9	240	3·9	210	5·0	200	5·7	3·5	27
290	12·9	290	12·0	280	9·4	280	7·8	280	6·6	280	7·1	280	6·8	280	11·1	280	10·8	290	11·0	290	14·0	300	16·1	**12·9**	28
350	3·5	300	2·7	260	2·8	300	4·0	280	6·0	280	3·5	280	2·7	280	2·6	270	2·2	220	1·8	230	2·5	240	2·4	8·7	29
200	10·0	210	12·0	210	11·2	210	11·1	220	9·6	230	12·0	230	11·3	230	10·7	240	11·4	240	11·3	220	7·4	210	6·6	8·2	30
—	5·2	—	5·2	—	5·0	—	4·7	—	4·4	—	4·4	—	4·6	—	4·9	—	4·7	—	4·6	—	4·9	—	4·9	4·8	

December, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
310	8·5	340	5·1	280	3·7	290	5·1	280	5·4	310	2·0	300	6·0	300	7·2	290	6·6	290	5·8	290	3·9	270	1·9	7·1	1
280	6·0	290	5·6	290	6·4	280	6·3	290	5·6	310	4·4	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	3·3	2
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·5	240	3·1	—	1·0	280	4·0	280	3·5	270	3·7	270	4·5	0·7	3
200	4·3	200	4·1	220	4·1	270	5·9	230	5·3	240	5·9	240	4·5	250	6·4	240	6·1	240	6·8	230	7·4	220	5·1	5·0	4
220	7·7	250	14·0	230	12·3	260	13·1	280	10·0	280	10·1	290	13·8	290	15·4	300	15·2	300	15·6	300	14·2	300	13·5	10·0	5
300	9·3	300	7·3	300	6·2	300	6·8	300	6·8	300	6·8	—	0·8	310	2·8	300	5·2	290	6·0	290	4·6	—	0·1	9·0	6
290	10·0	300	9·9	280	11·4	280	9·1	280	9·8	290	8·6	300	8·9	310	8·9	310	5·0	300	7·3	300	6·9	300	5·8	7·5	7
60	1·8	—	1·1	—	0·2	—	0·1	—	0·1	—	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	1·5	280	3·0	1·3	8
360	2·9	—	1·4	—	1·0	—	0·7	—	0·4	—	0·2	—	0·2	—	0·4	—	0·0	—	0·0	—	0·1	—	0·0	1·3	9
270	2·1	—	1·5	270	1·6	270	1·7	—	1·0	—	1·4	—	0·8	—	1·0	—	0·1	270	2·5	250	3·4	240	4·3	1·0	10
190	3·5	200	5·4	200	6·6	210	7·1	220	7·5	210	8·4	210	7·8	200	8·2	200	6·6	200	8·6	190	7·8	200	9·6	5·1	11
200	6·8	210	9·5	210	9·5	200	9·8	200	11·1	200	12·5	200	14·4	210	15·4	200	14·7	200	14·9	210	14·4	210	14·5	10·9	12
210	7·1	210	8·3	210	7·6	210	7·1	200	7·6	210	8·4	210	8·7	210	7·6	210	7·1	200	8·9	200	10·9	200	9·9	10·6	13
290	3·4	290	3·0	290	1·7	—	1·0	—	0·6	—	0·2	350	1·6	—	1·5	—	0·2	—	0·8	—	0·1	—	0·0	4·4	14
150	1·8	150	1·9	—	1·1	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	**0·3**	15
40	4·6	50	4·0	50	3·3	50	2·0	40	2·5	40	2·4	40	2·0	60	1·8	—	0·2	100	2·9	100	4·4	110	4·9	—	16
—	0·4	—	1·1	—	0·5	—	0·4	—	0·3	—	1·0	160	2·7	160	2·6	150	2·4	140	2·3	130	3·4	130	6·0	2·8	17
—	1·3	190	3·9	170	5·1	180	3·9	180	4·6	190	4·0	210	4·3	180	5·4	180	7·6	170	8·9	170	8·8	170	8·5	4·6	18
230	11·5	220	10·7	220	10·4	220	7·1	220	5·2	210	5·1	210	4·9	200	3·0	190	2·6	190	4·1	170	3·2	190	3·9	8·2	19
360	3·5	360	3·4	360	4·7	360	5·6	360	7·0	360	7·4	360	8·5	360	8·5	350	9·4	340	9·7	330	10·2	330	9·1	4·4	20
200	8·8	190	6·9	170	5·9	160	7·5	160	7·5	170	8·2	160	6·5	170	6·4	170	5·0	180	6·5	180	5·9	180	5·9	—	21
180	11·5	170	10·7	160	12·6	170	13·0	180	15·1	190	14·0	190	15·0	190	16·3	190	17·3	200	18·8	200	18·7	190	15·9	11·5	22
220	6·7	210	5·0	210	3·9	220	4·4	250	3·0	—	0·6	240	1·8	230	2·2	220	1·8	—	1·3	250	3·6	270	4·1	6·9	23
250	7·9	260	7·8	240	7·0	240	7·4	240	7·5	240	7·4	220	3·7	210	5·7	210	5·2	210	7·0	210	10·5	210	9·5	5·1	24
220	14·6	220	15·1	230	15·6	230	13·8	230	14·0	230	15·4	230	14·0	240	13·0	230	12·8	230	13·2	230	11·9	230	11·4	**14·3**	25
250	13·1	240	12·4	240	10·8	240	8·6	250	10·4	240	10·8	230	8·5	210	6·8	220	9·5	220	8·8	220	7·1	200	7·2	11·3	26
—	0·5	210	5·1	220	2·4	200	1·6	210	3·0	—	1·0	—	1·4	—	0·6	—	0·3	—	0·0	—	0·1	—	0·0	3·6	27
240	9·4	240	10·6	220	8·4	200	5·0	210	5·9	220	5·2	220	4·5	230	5·2	220	3·5	200	2·9	200	1·9	—	0·4	6·9	28
190	2·3	210	2·3	—	0·6	—	1·5	—	0·0	—	0·0	—	0·0	180	1·8	—	0·5	—	1·4	—	1·4	60	†	—	29
360	4·3	340	1·6	340	2·6	360	5·4	360	4·4	—	1·4	310	2·1	—	0·5	—	1·1	—	0·8	360	2·1	—	1·0	—	30
360	3·0	360	2·5	—	1·0	360	2·4	360	3·3	360	2·5	—	0·6	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1·9	31
—	5·9	—	6·2	—	5·8	—	5·5	—	5·6	—	5·3	—	**5·2**	—	5·4	—	5·3	—	5·8	—	5·9	—	5·5	5·9	‡

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

HIGHEST INSTANTANEOUS WIND SPEED RECORDED EACH DAY BY THE DINES TUBE ANEMOGRAPH.

179. Eskdalemuir : $H_a = 235$ metres + 15 metres. **1922.**

Day.	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Tim of Gust
	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m
1	**30**	12 55	12	14 0	14	7 10	7	8 15	5	11 50	11	16 15	19	18 30	16	12 15	10	13 40	10	24 0	18	19 15	17	10 1
2	28	12 55	12	9 35	16	3 40	6	10 45	11	10 50	15	16 40	18	9 55	12	13 20	10	8 25	13	0 50	18	5 55	16	13 1
3	21	22 10	12	21 25	15	10 40	15	11 55	17	19 40	13	12 0	13	12 20	7	14 15	5	20 50	12	13 10	13	0 55	8	23 5
4	18	0 30	11	10 35	17	6 30	13	16 40	**25**	22 45	14	14 5	18	12 55	8	16 25	6	6 15	12	1 50	14	9 25	13	20 2
5	17	0 30	4	14 35	**23**	9 20	8	16 50	20	12 20	12	10 35	10	10 10	6	17 30	9	15 35	12	23 50	12	22 5	24	14 5
6	3	23 30	5	12 0	21	16 30	13	13 55	21	10 25	9	10 40	**25**	8 5	5	15 35	10	11 25	12	0 45	11	0 30	21	1 1
7	10	22 20	14	22 40	18	15 35	6	13 35	16	11 35	8	12 55	15	11 55	13	10 45	7	14 5	7	14 5	14	16 40	19	6 3
8	16	5 5	16	3 0	12	18 50	14	12 35	13	12 15	7	13 45	15	20 30	16	13 3	12	14 0	6	19 45	8	12 10	9	0 1
9	23	13 5	5	6 55	17	19 25	8	15 15	10	0 45	6	9 45	13	18 5	17	10 10	12	10 5	4	11 0	11	23 40	6	0 3
10	19	16 20	5	11 35	12	5 50	8	12 5	7	13 40	11	15 55	12	12 0	3	0 40	7	16 35	9	14 20	19	21 15	6	23 5
11	19	10 50	3	15 0	15	7 5	8	12 0	10	11 10	9	12 35	9	13 25	8	17 5	9	14 15	7	13 50	14	1 55	14	23 5
12	13	2 45	9	11 30	11	18 5	12	22 35	10	11 50	10	16 40	10	12 10	13	15 40	14	16 0	17	18 35	11	14 25	22	22 4
13	5	18 45	13	14 45	8	11 25	21	12 55	13	16 25	15	5 55	14	16 45	14	12 55	14	23 0	9	12 0	11	9 15	23	1 1
14	6	17 35	7	10 45	11	18 45	10	14 25	19	16 15	11	19 50	13	0 35	7	14 5	14	7 10	6	11 20	11	13 0	15	3 2
15	12	12 45	8	13 5	9	9 30	**27**	9 50	19	11 5	3	11 15	10	17 40	13	14 5	14	7 40	7	22 30	10	24 0	4	14 0
16	6	18 0	8	15 10	11	16 10	18	15 25	16	1 15	13	21 5	12	11 30	21	7 50	18	16 35	11	15 50	18	17 50	8	23 5
17	6	4 45	16	20 55	10	12 40	11	11 45	13	18 20	18	14 20	9	12 5	19	13 30	20	8 40	14	12 45	20	21 30	9	0 5
18	13	9 30	18	0 55	8	12 50	10	14 25	15	10 0	13	7 20	14	21 55	16	16 15	14	13 5	14	10 29	17	1 45	18	18 5
19	12	16 0	17	21 50	13	23 35	9	13 35	16	17 10	13	1 35	12	15 20	11	9 5	23	23 50	14	12 35	10	3 45	21	11 2
20	12	23 35	17	17 10	16	15 30	7	17 9	13	23 15	**20**	6 50	18	11 35	12	9 25	**26**	1 50	14	21 50	4	14 0	16	22 3
21	21	10 55	20	13 30	22	11 35	8	14 41	10	0 45	13	11 55	11	18 10	7	15 25	9	10 50	16	0 45	5	23 40	17	12 5
22	9	3 5	17	4 15	9	13 45	10	16 50	19	6 31	14	12 25	6	17 0	17	24 0	7	15 0	13	13 45	12	4 35	**27**	22 2
23	24	20 25	15	5 50	6	12 30	15	15 15	10	18 0	11	17 10	9	14 45	**24**	6 5	8	14 50	9	1 5	16	13 0	22	1 0
24	20	7 55	**28**	18 50	11	15 50	24	20 0	6	0 45	15	14 5	9	5 10	14	0 10	†	†	7	4 0	12	0 10	19	22 5
25	21	10 55	27	19 50	7	15 45	23	3 15	10	15 40	16	22 45	8	17 30	14	21 5	12	15 35	6	11 45	15	22 45	26	4 2
26	19	0 55	21	10 20	11	22 5	13	15 40	20	11 45	10	15 20	16	13 35	19	16 5	14	11 15	8	13 0	19	6 35	21	2 0
27	22	19 0	25	15 30	12	2 55	15	15 45	14	12 50	13	19 25	11	15 5	18	0 20	10	15 0	**19**	14 45	11	19 20	17	1 5
28	18	1 45	19	14 45	15	14 25	12	4 55	15	11 5	13	15 40	9	14 40	8	15 20	18	20 35	11	7 40	**29**	9 18	19	8 3
29	14	4 0	—	—	7	13 40	7	9 20	10	16 20	16	13 10	16	11 35	14	11 30	17	2 40	9	22 35	28	3 5	†	†
30	5	21 50	—	—	8	10 50	10	16 40	12	12 30	17	11 30	15	15 45	6	9 35	5	15 0	12	5 10	17	15 35	11	10 5
31	9	2 50	—	—	14	14 35	—	—	13	13 35	—	—	20	13 5	9	10 40	—	—	16	23 50	—	—	7	8 1

† Defective record.

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES TUBE ANEMOGRAPH.

180. Eskdalemuir : $H_a = 235$ metres + 15 metres. **1922.**

Month.	DISTRIBUTION OF WIND SPEED.								EXTREME VELOCITIES.					
	More than 17·1 m/s.		10·8 to 17·1 m/s.		5·5 to 10·7 m/s.	1·6 to 5·4 m/s.	Less than 1·6 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.	
	Dates of Occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date.
		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hour.	m/s.	day. h. m.
Jan.	1st, 2nd	4	15	100	246	184	187	23	240	19	1	3	30	1 12 55
Feb.	24th, 25th	15	12	63	192	183	219	0	210	20	24	19	28	24 18 50
Mar.	—	0	5	31	225	366	122	0	200	15	5	9	23	5 9 20
April	15th	5	4	21	146	285	263	0	190	19	15	10	27	15 9 50
May	4th	2	8	43	279	250	170	0	230	18	4	23	25	4 22 45
June	—	0	3	12	249	304	151	4	220	13	20	7	20	20 6 50
July	—	0	6	43	267	284	144	6	10	16	6	8	25	6 8 5
Aug.	—	0	6	20	247	272	200	5	290	15	23	6	24	23 6 5
Sept.	—	0	4	25	241	256	190	8	250	17	20	1	26	20 1 50
Oct.	—	0	2	3	214	341	186	0	200	11	{12 / 31}	{16 / 24}	19	27 14 45
Nov.	28th, 29th	11	10	49	204	295	161	0	300	20	28	5	29	28 9 20
Dec.	22nd, 25th	4	13	107	216	225	187	5	200	19	22	22	27	22 22 20
Year	10 days	41	88	517	2,726	3,245	2,180	51	300	20	Nov. 28	5	30	Jan. 1 12 55

MINIMUM TEMPERATURE "ON THE GRASS" DURING THE INTERVAL 18H. TO 7H. G.M.T.

Readings, in degrees absolute.

181. Eskdalemuir. **1922.**

Day.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	76·0	69·0	74·1	64·1	73·1	76·0	77·1	79·8	75·7	79·8	75·9	77·0
2	80·0	69·5	70·6	67·2	67·0	79·5	82·0	79·2	81·8	78·5	71·1	76·3
3	71·0	76·5	71·8	67·5	68·1	73·2	79·0	72·1	81·5	70·0	72·7	66·8
4	70·0	71·4	74·2	66·9	73·0	71·9	76·6	75·1	80·5	83·0	66·5	75·9
5	68·8	63·4	73·0	**62·0**	76·0	78·0	80·0	80·1	77·9	84·1	67·0	79·0
6	73·0	**62·5**	73·8	62·1	71·0	75·1	79·0	79·1	79·5	77·9	75·1	75·1
7	74·5	69·8	73·0	66·2	80·0	73·9	79·2	77·8	74·6	68·1	77·9	71·7
8	74·0	73·0	69·0	68·0	73·5	77·2	74·1	80·8	73·3	70·0	72·1	75·8
9	73·0	71·8	71·9	66·0	72·5	83·1	80·9	81·8	74·7	79·0	72·2	73·3
10	73·1	67·2	68·5	68·5	72·4	83·0	80·0	73·8	70·0	76·1	74·0	**66·0**
11	73·4	63·1	69·0	66·2	75·3	71·8	71·1	78 1	78·4	70·0	71·8	71·1
12	66·9	65·2	73·0	66·5	73·9	74·0	**71·0**	**71·9**	81·0	75·8	68·0	77·0
13	63·9	67·0	74·8	73·0	**65·5**	80·2	83·9	75·0	80·5	75·3	—	81·0
14	71·9	67·0	68·5	73·0	76·8	**70·2**	81·7	74·3	81·4	73·0	80·8	81·0
15	66·9	72·9	68·7	76·0	—	77·8	71·5	80·0	76·0	70·2	70·9	67·0
16	69·9	72·0	67·0	74·8	78·8	73·0	81·4	82·8	69·0	72·6	76·0	70·6
17	67·6	67·5	73·0	67·2	**81·0**	75·4	81·3	84·3	80·1	77·7	78·0	74·7
18	**57·5**	72·4	70·5	67·0	79·5	76·9	74·0	80·0	**68·0**	76·2	77·5	72·8
19	66·5	69·5	72·9	63·7	75·5	83·7	76·0	75·2	80·5	73·9	—	73·0
20	67·0	70·8	69·0	64·8	70·3	83·5	81·0	81·0	80·2	76·1	69·7	72·8
21	66·2	72·7	69·8	67·8	82·0	71·9	82·5	82·4	80·0	75·2	76·0	69·2
22	73·0	71·5	67·5	76·0	83·0	79·2	74·0	82·6	74·8	73·1	76·1	73·0
23	70·9	74·0	**64·9**	66·5	75·8	81·5	78·3	79·0	70·0	72·9	75·5	75·3
24	71·0	77·9	65·2	74·0	73·2	75·0	75·0	76·3	75·2	73·1	69·5	70·0
25	67·0	78·7	69·0	74·0	74·2	74·3	78·0	80·8	80·2	67·0	**64·1**	74·8
26	73·5	75·1	69·0	71·0	78·0	77·8	75·5	73·8	81·1	71·8	76·3	74·5
27	71·7	71·7	72·0	73·0	75·1	78·2	76·5	84·0	80·9	68·2	69·8	74·0
28	72·7	72·8	71·2	71·5	72·6	79·1	72·5	78·8	82·1	71·0	76·0	68·0
29	74·8	—	**64·9**	63·8	—	76·9	77·4	81·6	76·1	71·8	80·0	72·9
30	72·9	—	72·0	67·1	75·1	76·5	76·8	75·5	68·9	73·4	74·2	74·1
31	74·4	—	67·2	—	77·0	—	80·0	78·2	—	**65·2**	—	69·0
Mean	70·7	70·9	70·3	68·5	74·8	76·9	77·7	78·5	77·1	73·9	73·4	73·3

NOTES.—(1) The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 is written 75·0.

(2) The minimum refers to the interval from 18 h. the previous day to 7h. on the day to which it is entered. Mean for May is for 29 days only. Mean for November is for 28 days only.

182. Eskdalemuir. **January, 1922.**

Day.	7h. Predominant type.	Amount.	Weather.	9h. Predominant type.	Amount.	Weather.	13h. Predominant type.	Amount.	Weather.	15h. Predominant type.	Amount.	Weather.	18h. Predominant type.	Amount.	Weather.	21h. Predominant type.	Amount.	Weather.	Remarks.
1	Nb.	10	d ≡⁰	Nb.	10	●⁰	Nb.	10	d_0	St.	10	p ●	Fr.-St.	3	...	St.	10	●	[to o ● *n* : od & op ● ⛆ at 10h. & 13h. *a and p* : o to bc
2	Nb.	10	●	St.-Cu.	4	...	Cu.	3	...	St.-Cu.	9	...	—	0	...	Fr.-Cu.	1	...	⛆ early op ● ◠ 10.20 to bc *a* : b to o ✱ *p* :
3	—	0	...	St.-Cu.	1	...	—	0	...	St.-Cu.	1	...	—	0	...	—	0	...	b : *a*, *p and n* : [o to b *n* :
4	—	0	...	Ci.-Cu.	6	...	Nb.	9	p ✱⁰	Fr.-Cu.	1	...	—	0	...	—	0	...	b to c & op ✱⁰ *a* : c, by to b *p and n* :
5	—	0	...	A.-Cu.	10	...	Ci.-St.	10	...	A.-St.	10	...	A.-St.	10	...	Nb.	10	d_0	b to o at 9h. *a* : o *p* : o to od⁰ *n* :
6	A.-St.	8	...	St.-Cu.	10	...	St.	10	≡ ⋮	Nb.	10	d ≡ ⋮	Nb.	10	d_0 ≡ ⋮	Nb.	10	d^0 ≡ ⋮	o ●⁰ to c at first, o to ≡ ⋮ *a* : ≡ ⋮ to od ≡ ⋮
7	Nb.	10	d_0 ≡ ⋮	St.-Cu.	10	e	A.-Cu.	9	...	Ci.	8	...	St.	10	≡	St.	10	≡	o ●⁰ ≡ ⋮⁰ to o *a* : c *p* : o & o ≡ *n* : [*p and n* :
8	Fr.-St.	2	...	St.-Cu.	5	...	St.-Cu.	4	...	Cu.	5	...	St.-Cu.	10	...	Cu.	4	...	o ●² early, o to b & bc *a* : bc to o *p* : o, o ●, [c & bc ⛉ 24h. *n* :
9	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Nb.	10	●⁰ ≡⁰	St.-Cu.	10	...	St.-Cu.	9	p ●⁰	bc to o ● ≡⁰ *a* : o ● ≡⁰ to o *p* : o & op ●⁰ *n* :
10	St.-Cu.	7	...	St.-Cu.	8	...	Nb.	10	✱	Nb.	7	p ✱	Nb.	10	p ●	St.-Cu.	4	...	p ●⁰ to bc, o to o ✱ ✱ *a* : cp, ● ✱ *p* : bc &
11	St.-Cu.	5	...	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	7	...	—	0	...	—	0	...	[op ● *n* : bc, o & cp ● ✱ *a* : c & bc *p* : b *n* :
12	—	0	...	Ci.	2	...	Ci.	2	...	Ci.	3	...	Ci.	2	...	Ci.	4	⛉	b *a and p* : b to bc *n* : ⛉ 21h.
13	St.-Cu.	10	⌴	A.-St.	9	⌴	St.	10	...	Nb.	10	d_0	Nb.	10	✱ ≡⁰	Nb.	10	✱ ≡⁰	bc to o ⌴ to o *a* : o, od to o ✱ ≡⁰ *p and n* :
14	St.	10	≡⁰	St.	9	≡⁰	St.-Cu.	8	≡⁰	A.-Cu.	8	≡⁰	St.	3	≡⁰	St.	7	≡⁰	⊠ o ✱ ≡⁰ early to o ≡⁰ *a* : c & b ≡⁰ *p and n* : ⛉ 20h.
15	St.	10	...	St.	10	...	Nb.	10	✱ ≡⁰	Nb.	10	✱ ≡	Nb.	10	✱ ≡	Nb.	10	✱ ≡	⊠ b to o ✱ ≡⁰ *a*: o ✱ ≡⁰ ⅄ to o ✱ ≡ *p and n* :
16	St.	10	≡⁰	A.-St.	9	✱⁰ ≡⁰	St.	10	≡⁰	Nb.	10	✱⁰ ≡⁰	St.	10	✱⁰ ≡⁰	St.	10	✱⁰ ≡⁰	⊠ o & o ✱ ≡⁰ *a* : o & op ✱ ≡⁰ *p and n* :
17	St.-Cu.	6	...	St.-Cu.	8	...	St.-Cu.	5	...	St.-Cu.	5	...	—	0	...	—	0	...	⊠ 12″ o ✱ ≡⁰ to bc *a* : bc to b *p and n* :
18	St.	10	...	Nb.	10	✱ ≡	St.	10	g	St.	10	...	St.	5	...	St.	1	...	⊠ 12″ to 18″ at 13h. : b to o ✱ ≡⁰ to o ⅄ *a* : o to b *p and n* :
19	St.	10	...	Nb.	10	● ≡⁰	Nb.	10	d ≡⁰	St.	9	...	St.	6	...	St.	2	...	⊠ 12″: b to o, o ● ≡⁰ *a*:od ≡⁰ to bc *p*:b to o *n*:
20	St.	9	...	St.	10	...	St.	8	...	St.	8	...	—	0	...	St.	7	...	⊠ 8″ : o to c *a* : c to b *p* : b to c & o *n* :
21	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Nb.	10	●² ≡⁰	St.	10	≡⁰	St.-Cu.	1	...	St.	8	...	⊠ 1″ to 3″:o ● ≡⁰, p ●² *a*:o ≡⁰, p ●² ≡ to b *p*:
22	St.	9	...	St.	9	...	St.-Cu.	9	...	St.-Cu.	5	...	A.-St.	5	...	A.-St.	2	...	⊠ c & op ●⁰ : *a* : o to bc & b : *p and n* : [b to c *n* :
23	A.-St.	10	...	St.	9	...	St.	10	...	St.	10	d_0	St.	10	≡⁰	St.-Cu.	3	...	⊠ in patches:bc to o *a*:o to od ≡⁰ *p*:o ≡⁰ to b *n*:
24	St.	10	...	St.-Cu.	10	...	Nb.	10	✱⁰	Nb.	9	✱	St.-Cu.	4	...	St.-Cu.	6	...	b to o, op ✱⁰ *a* : op ✱⁰ to bc *p* : bc & op ✱ *n* :
25	St.-Cu.	10	...	St.	10	...	Nb.	10	✱⁰ ≡⁰	Nb.	10	●	St.	10	≡⁰	Nb.	10	p✱ ≡⁰	cp ✱ to o, ●⁰ ≡⁰ & ✱ ≡⁰ *a* : o ● ≡⁰ to ≡⁰ *p* : op ✱ ≡⁰ *n* :
26	St.	9	...	St.	10	...	St.	10	...	St.	10	g d_0	Nb.	10	✱	Nb.	10	✱ ≡⁰	o ✱ to o *a* : od to o ✱ *p* : o ✱ ≡⁰ *n* :
27	Nb.	10	✱⁰	Nb.	10	✱⁰	Nb.	10	...	St.	10	...	St.	10	≡⁰	St.	10	≡⁰	⊠ 2″ to 3″ : o ✱⁰ to o *a* : o to o ≡⁰ *p* : o ≡⁰ & p
28	Nb.	10	●	Nb.	10	●	St.	10	...	St.	10	...	St.	10	...	St.	10	...	o & o ● *a* : o *p and n* : [✱ *n* :
29	Nb.	10	●	St.	10	...	Nb.	10	●	St.	10	...	St.	10	...	St.	10	...	o to o ● *a* : o ● to o *p* : o *n* :
30	St.	7	≡⁰	A.-Cu.	8	...	St.-Cu.	10	...	St.	10	...	St.	10	≡⁰	St.	10	≡⁰	o to c *a* : o, p ●⁰ *p* : o ≡⁰ *n* :
31	St.	10	≡⁰	St.	10	≡⁰	St.	9	...	St.-Cu.	4	...	St.-Cu.	5	≡⁰	St.-Cu.	9	≡⁰	o, p ● to o ≡⁰ *a* : o to bc *p* : bc to o ≡⁰ *n* :
Mean Cloud Am'nt	—	7·8	—	—	8·5	—	—	8·5	—	—	8·0	—	—	6·2	—	—	6·4	—	

183. Eskdalemuir. **February, 1922.**

1	St.-Cu.	9	...	St.-Cu.	3	...	Cu.	8	...	St.-Cu.	9	...	St.-Cu.	3	...	—	0	...	o to b & c *a* : c & o to b *p* : b to o *n* :
2	Nb.	10	●⁰	Nb.	10	●⁰	Nb.	10	d^0	Nb.	10	d^0	Nb.	10	●⁰ ≡⁰	St.	10	≡⁰	o ●⁰ *a and p* : o ≡⁰ at night.
3	Nb.	10	● ≡⁰	Nb.	10	d^0	Nb.	10	d^0	St.	10	...	Nb.	10	●⁰	Nb.	10	✱	op ● to o ●⁰ *a* : o, p ●⁰ *p* : op ● & ● ✱ *n* :
4	St.	10	...	St.	10	...	Nb.	10	✱⁰	Nb.	10	✱	St.	10	...	St.	10	...	o ✱ to op ✱⁰ *a* : op ✱⁰ *p and n* :
5	St.	10	...	Nb.	10	✱⁰	St.	10	p ✱⁰	Nb.	10	✱⁰ ≡⁰	St.	10	≡⁰	St.	10	≡⁰	o, p ✱⁰ *a and p* : o ≡⁰ *n* : ⊠ ½″ to 1″.
6	St.-Cu.	9	...	St.	10	...	St.	10	...	St.	10	...	St.	10	✱⁰ ≡⁰	Nb.	10	✱	o *a and p* : o ✱⁰ ≡⁰ *n* : ⊠.
7	St.	10	≡⁰	St.	10	...	St.	10	...	St.	10	...	St.	10	...	St.	10	...	o ✱ early, od to o *a* : o *p and n* : ⊠ ½″.
8	Nb	10	✱	Nb.	10	✱ ≡⁰	Nb.	10	✱ ≡⁰	Nb.	10	✱ ≡⁰	Nb.	10	✱ ≡⁰	St.	10	≡⁰	o ✱ & ✱ *a* : ✱ to o ≡⁰ *p and n* : ⊠ 1″.
9	St.	10	...	St.	10	...	A.-St.	10	...	A.-St.	10	...	A.-St.	6	...	A.-St.	10	⛉	o *a and p* : o to bc & o, ⛉ at 21h. *n* : ⊠ ½″.
10	A.-Cu.	2	...	A.-Cu.	7	...	A.-St.	8	...	Ci.-St.	7	...	Ci.-St.	7	...	Ci.	2	...	o, b & c *a* : c *p* : c to b *n* :
11	A.-Cu.	1	≡⁰	Ci.	1	≡⁰	Ci.	2	∞	Ci.	3	∞	Ci.	3	≡⁰	Ci.-St.	4	⛉ ≡⁰	b *a and p* : b to bc, ⛉ at 21h. *n* :
12	A.-St.	5	...	A.-Cu.	3	...	A.-Cu.	5	...	A.-Cu.	8	...	A.-St.	1	...	A.-St.	10	...	b & bc *a* : c to b ∞ *p* : b ∞ to o *n* :
13	St.	9	≡⁰	St.	10	≡⁰	Nb.	10	✱⁰ ≡⁰	Fr.-St.	7	...	Fr.-St.	2	...	—	0	...	o to o ✱⁰ to c *a and p* : c to b *n* :
14	Nb.	10	✱⁰	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	...	b to op ✱⁰ ≡⁰, c & o *a* : c & o *p* : o *n* :
15	Nb.	10	● ≡⁰	Nb.	10	d ≡⁰	Ci.	6	...	A.-Cu.	9	...	St.-Cu.	10	...	St.	3	...	o ● ≡⁰ to bc *a* : bc to o *p* : o to b *n* :
16	Nb.	10	●⁰ ≡⁰	Nb.	10	●⁰ ≡⁰	Nb.	10	●⁰ ≡⁰	St.-Cu.	10	...	St.-Cu.	9	...	Fr.-St.	2	≡⁰	o ●⁰ ≡⁰ *a* : o ●⁰ to o *p* : o to b ≡⁰ *n* :
17	St.	10	...	St.	10	...	Nb.	10	✱	St.	10	...	Nb.	10	✱	Nb.	10	●⁰	b ≡⁰ to o at first, ●, ✱ *a* : op ✱ & ✱ *p* :
18	Nb.	10	✱ ≡⁰	Nb.	10	✱	St.-Cu.	10	...	Cu.	5	...	A.-St.	2	...	—	0	...	op ● & ✱ to o *a* : o to b *p* : b : *n* : [op ● *n* :
19	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Nb.	10	...	Nb.	3	p ✱	b early; o ● ≡⁰ to 17h., o to bc p ✱ *n* :
20	Nb.	7	p ✱	Fr.-St.	4	...	Cu.	6	✱	St.-Cu.	10	...	St.-Cu.	5	...	St.-Cu.	3	...	cp ✱ to bc & c ✱⁰ *a*:o to bc, ▲ at 15.30 *p*:bc & b, [c & op ▲ *n* :
21	Nb.	10	✱	Nb.	10	✱	Nb.	10	✱	Nb.	10	△	St.-Cu.	8	...	St.-Cu.	9	...	op ▲ ✱, o ✱ & ✱ *a* : op ✱ & ▲ to c *p* :
22	St.	10	...	Nb.	10	●⁰	St.-Cu.	9	...	St.-Cu.	9	...	St.-Cu.	8	...	St.	10	≡⁰	op ▲ & ✱, ●⁰ ≡⁰ to o *a* : c & o *p* : c to o ≡⁰ *n* :
23	St.-Cu.	7	...	Nb.	9	p⁰	St.-Cu.	9	...	St.-Cu.	7	...	St.-Cu.	9	...	St.	10	≡⁰	o ≡⁰ early, ●² to c & op ●⁰ *a* : c & o *p* : o, op ● ≡⁰ *n* :
24	St.	10	≡ ⋮	St.	10	≡ d	St.	10	≡ ⋮	St.	10	⛆	St.	10	≡⁰ ⛆	St.	10	≡⁰ ⛆	op ●, ≡ ⋮, ● to o ⛆ *a* : op ● ⛆ *p and n* :
25	St.	10	...	St.	10	⛆	St.-Cu.	10	...	St.-Cu.	7	...	St.-Cu.	10	...	Nb.	10	d	op ● ⛆ to c *a* : c & o *p* : op ● *n* :
26	Nb.	10	●	Nb.	10	●	St.-Cu.	8	...	A.-St.	10	...	Nb.	10	●	Fr.-Cu.	3	...	o to o ● to c *a* : c & op ▲ ● *p* : o to b *n* :
27	Fr.-St.	4	...	St.	10	...	Nb.	10	●	Nb.	10	●	St.	10	...	St.	9	...	b to o at first, p●, ▲●:*a*:op●▲ ☈ at 15.12:*p*:
28	St.	10	...	St	10	...	St.	9	...	St.	10	...	St.	10	...	St.	7	...	op● & ✱ *a*:o *p and n*: [op●▲ ⅄ 19.20 to o *n*:
Mean Cloud Am'nt	—	8·7	—	—	8·8	—	—	8·9	—	—	9·0	—	—	8·0	—	—	7·0	—	
M.G.T.	7h.			9h.			13h.			15h.			18h.			21h.			

184. Eskdalemuir. **March, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.	7	...	St.	9	...	St.-Cu.	8	...	A.-Cu.	8	...	Ci.	4	...	St.-Cu.	2	...	c & o, bc & c *a* : c to bc *p* : bc, cp to b *n* :
2	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	8	...	Cu.	5	...	St.-Cu.	6	...	St.-Cu.	4	≡⁰	b to o, p ●, bc & c *a* : bc & c *p and n* :
3	St.	10	≡ ⋮	St.	10	d⁰ ≡ ⋮	A.-St.	10	...	A.-St.	10	...	Ci.-St.	9	...	A.-St.	3	≡⁰	o ● ≡ ⋮ to o *a* : o, ⊕ 1630 *p* : o & b *n* :
4	Nb.	10	●	St.-Cu.	7	...	Cu.	6	...	Cu.	3	...	Fr.-Cu.	1	...	St.	9	...	o, o ● to bc *a* : bc & b p ▲ : *p* : b to o *n* :
5	Nb.	10	●²	Nb.	10	●²	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Fr.-St.	10	≡⁰	St.	10	...	o ●² to ● ≡⁰ *a* : o ● ≡⁰ to o ≡⁰ *p* : o ≡⁰ to [o *n* :
6	St.-Cu.	5	...	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	10	...	Nb.	10	● ≡⁰	Nb.	10	●⁰ ≡⁰	o to bc & o *a* : op ● ≡⁰ *p and n* :
7	St.-Cu.	10	...	St.-Cu.	4	...	Cu.	7	...	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Fr.-St.	8	...	op ● ≡⁰ to bc & c *a* : c & op *p and n* :
8	St.	10	≡ ⋮	St.	10	≡⁰	Nb.	10	d⁰	Nb.	9	●⁰	St.-Cu.	3	...	Fr.-Cu.	1	...	o ≡ ⋮ to od⁰ *a* : op ●⁰ to b *p* : b & c *n* :
9	Nb.	10	d⁰	St.-Cu.	9	...	St.-Cu.	9	...	St.-Cu.	9	...	Nb.	9	✱⁰	St.-Cu.	5	...	c to od⁰ at first, o *a* : o, cp ●⁰ & ✱⁰ *p*
10	St.-Cu.	8	...	St.-Cu.	9	...	St.-Cu.	6	...	Cu.	5	...	Ci.-St.	5	...	St.-Cu.	7	⋓	c to o & bc *a* : bc to c *p and n* : [bc & c *n* :
11	St.-Cu.	9	...	St.-Cu.	10	...	A.-Cu.	6	...	A.-Cu.	4	...	A.-Cu.	2	...	St.-Cu.	7	...	c & o to bc *a* : b & bc *p* : bc and c *n* :
12	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	≡⁰	St.	10	≡⁰	c & bc to o *a* : o to o ≡⁰ *p and n* :
13	St.	10	...	St.	10	...	—	0	...	—	0	...	—	0	...	—	0	...	o to b *a* : b *p and n* :
14	A.-Cu.	1	⌊⌊	—	0	...	Ci.	2	...	Ci.	1	...	—	0	...	—	0	...	b ⌴ to by *a and p* : b *n* :
15	A.-Cu.	2	⌊⌊	Ci.	2	...	St.	9	...	Ci.	3	...	A.-Cu.	9	...	A.-Cu.	10	≡⁰	b ⌴ to b & o *a* : o to b & o *p* : o ≡⁰ *n* :
16	—	0	⌊	—	0	...	Ci.	1	...	Ci.	2	...	St.	10	...	St.	10	≡ ⋮	o to b ⌴ to b *a* : b to o *p* : o to o ≡ ⋮⁰ *n* :
17	St.	9	...	St.	10	...	St.	7	⊕	St.	5	...	St.	10	...	St.	10	...	o ≡ ⋮⁰ to c & o, ⊕ 13h. *a* : bc to o *p* : o *n* :
18	St.	9	...	St.	9	...	—	0	...	Ci.	2	...	Ci.	1	...	St.	4	...	o to b *a* : b *p* : b to c *n* :
19	St.	10	≡⁰	St.	10	...	St.	10	...	St.	10	...	Nb.	10	✱	Nb.	9	d⁰	c to o ≡⁰ to o *a* : o to op ✱ *p* : op ●⁰ *n* :
20	Ci.-St.	9	...	Ci.-St.	5	...	Cu.	7	...	Cu.	8	p ✱⁰	Cu.-Nb.	3	...	—	0	...	o to bc to cp ✱⁰ *a* : cp ✱ to b *p* : b *n* :
21	Cu.-Nb.	4	✱⁰	Cu.	6	...	Fr.-Cu.	4	...	Fr.-Cu.	4	...	Cu.	4	...	Cu.	6	...	b to bcp ✱ *a* : bc to op ✱ & bc *p* : bc & cp ✱ *n* :
22	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	✱⁰	St.-Cu.	10	p ✱⁰	St.-Cu.	10	...	St.-Cu.	7	...	c to op ✱⁰ *a* : op ✱ & p ▲ *p* : o to bc *n* :
23	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	9	...	St.-Cu.	7	...	St.-Cu.	7	...	bc to o, bc and c *a* : c & o *p and n* :
24	St.	10	✱⁰	Nb.	10	✱ ≡⁰	Nb.	10	✱⁰	Nb.	10	✱	Nb.	10	✱ ≡⁰	St.	10	≡⁰	o, o ✱ *a* : o ✱ and ✱ *p* : o ✱ to o *n* :
25	Ci.-St.	7	...	Ci.-St.	4	...	Cu.	5	...	Cu.-Nb.	5	...	Cu.-Nb.	8	...	St.-Cu.	1	...	o to b & bc *a* : bc to c *p* : c to b *n* :
26	Nb.	10	✱⁰	St.-Cu.	10	✱⁰	St.-Cu.	7	...	A.-St.	10	...	Cu.	8	...	St.-Cu.	1	...	b to op✱⁰ a : c and o *p* : c to b *n* : [bc *n* :
27	St.-Cu.	4	...	A.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	9	...	Nb.	4	...	b & bc to oy *a* : o ⊕, o *p* : op ● ✱ & ✱⁰ to
28	St.	6	...	St.	7	...	St.	8	...	St.	10	...	St.-Cu.	2	...	St.-Cu.	9	...	bc & cp ✱ to p ●⁰ *a* : c & o to b *p* : b to o *n* :
29	St.-Cu.	10	⌊	A.-St.	10	...	St.-Cu.	10	⊕	St.-Cu.	10	⊕	St.-Cu.	10	...	St.-Cu.	10	...	o ⌴ to oy *a* : o ⊕ y to o *p* : o *n* :
30	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	Nb.	10	✱ ≡⁰	o *a and p* : o to o ✱ ≡⁰ to o *n* :
31	St.-Cu.	2	...	—	0	...	St.-Cu.	10	p ✱⁰	St.-Cu.	8	q	Nb.	10	p ✱	St.	1	...	o to b & c, op✱⁰ & △ *a* : c & oq, p ✱ *p* : o to b *n* :
Mean Cloud Am'nt	—	7·7	—	—	7·5	—	—	7·4	—	—	7·1	—	—	6·8	—	—	6·0	—	

185. Eskdalemuir. **April, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.-Cu.	5	⌊	St.-Cu.	6	...	St.-Cu.	8	...	St.-Cu.	9	y	St.-Cu.	8	...	St.-Cu.	9	...	b & bc ⌴ to c & o *a* : c & oy *p* : c & o *n* :
2	St.-Cu.	2	...	Fr.-Cu.	3	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	A.-Cu.	9	...	b to o *a* : oy, p ●⁰ *p* : o *n* :
3	Nb.	9	p ✱	St.-Cu.	10	...	Cu.	8	...	Cu.-Nb.	7	...	Cu.-Nb.	2	...	—	0	...	c & op ✱ *a* : cp ✱ to b *p* : b & bc *n* :
4	A.-Cu.	4	...	Cu.	4	...	St.-Cu.	9	...	Cu.-Nb.	8	...	Nb.	9	p ✱	Cu.-Nb.	7	p ✱ q	bc to o *a* : c & op ✱ q *p* : cp ✱ to b *n* :
5	St.	10	≡ ⋮	Cu.	4	...	Cu.	8	...	Cu.-Nb.	7	...	Cu.-Nb.	7	...	St.-Cu.	1	...	b to o ≡ ⋮ to c *a* : cp ✱⁰ *p* : b & bc *n* :
6	St.-Cu.	4	⌊	—	0	...	Cu.	7	...	Cu.	6	...	Cu.-Nb.	8	...	St.-Cu.	5	...	bc ⌴ to b & c *a* : cp ✱ q *p* : bc & cp ✱ *n* :
7	St.-Cu.	7	...	St.-Cu.	9	...	Cu.	7	...	Cu.	6	...	St.-Cu.	3	...	St.-Cu.	4	≡⁰	c & o *a* : c to b *p* : bc ≡⁰ *n* :
8	St.	10	≡⁰	St.	10	≡⁰	Nb.	10	✱≡⁰q	A.-St.	10	...	A.-St.	9	q	—	0	≡⁰	c to o ≡⁰ ✱ *a* : op ✱⁰ *p* : o to b ≡⁰ *n* :
9	Ci.-St.	1	⌊	Fr.-Cu.	3	...	Cu.	7	...	Cu.	5	...	Cu.	3	...	St.-Cu.	3	...	b & b ⌴ to c *a* : c to b *p* : b & bc *n* :
10	St.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	5	...	—	0	≡⁰	b to o *a* : o to bc *p* : bc to b ≡⁰ *n* :
11	St.-Cu.	8	≡⁰	Ci.-St.	6	...	St.-Cu.	10	y	St.-Cu.	8	y	Ci.	2	y	—	0	≡⁰	b & o ≡⁰ to bc, oy *a* : oy to by p : b ≡⁰ *n* :
12	St.-Cu.	6	...	St.-Cu.	9	...	St.-Cu.	10	...	Ci.-St.	10	⊕ y	Nb.	10	● ≡⁰	Nb.	10	●² ≡⁰	bcp ●✱⁰ to o *a* : o to o ● ≡⁰ *p* : o ●, p ●² ≡⁰ *n* :
13	St.-Cu.	5	...	St.-Cu.	6	...	Nb.	8	▲	St.-Cu.	4	y	Cu.	3	...	St.	9	...	o ◕ ≡⁰ to bc, cp ▲ *a* : bc & cp ▲, o ✱ *p* : b to o *n* :
14	St.	10	...	Nb.	10	d	Nb.	10	✱ ≡⁰	Nb.	10	●²	Nb.	10	●	St.	5	...	o to o ●, ✱ & ✱ ≡⁰ *a* : o ● & ●² *p* : o ● to bc *n* :
15	Nb.	10	● ≡⁰	Nb.	10	●≡⁰ ≡	St.	10	≡	St.-Cu.	7	...	St.-Cu.	10	...	Nb.	10	●⁰	bc, ≺ 1h. : o ● ≡⁰, p ●² to o ≡ *a* : c & o *p* : [op ● & ●² *n* :
16	St.-Cu.	6	...	St.-Cu.	10	...	Cu.	7	...	Cu.	4	...	A.-Cu.	4	...	—	0	...	o to bc & o *a* : c & bcp ●⁰ *p* : bc to b *n* :
17	St.-Cu.	1	...	Fr.-Cu.	4	...	St.-Cu.	8	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	9	...	b to c *a* : op ✱⁰ & o *p* : o *n* :
18	—	0	...	St.-Cu.	8	...	St.-Cu.	7	...	St.-Cu.	3	...	St.-Cu.	3	...	—	0	...	o to b & c *a* : c to b *p* : b *n* :
19	—	0	⌊⌊	—	0	...	—	0	y	—	0	y	—	0	y	—	0	...	b ⌴ to by *a* : by to b *p and n* :
20	A.-Cu.	1	⌊⌊	Ci.	1	...	Cu.	2	y	Cu.	3	y	Cu.	5	y	—	0	...	b ⌴ to by *a* : b & c *p and n* :
21	St.	10	≡⁰	St.	10	≡⁰	Cu.	5	...	Cu.	5	...	St.-Cu.	6	...	St.	10	...	b to o ≡⁰, bc ∞ *a and p* : bc to o *n* :
22	Cu.	9	...	A.-Cu.	7	...	St.-Cu.	10	y	St.-Cu.	9	...	Nb.	9	p ●⁰	St.-Cu.	8	...	o, o ●⁰ to cy *a* : op ▲ ●⁰ *p* : c & op ●⁰ *n* :
23	Cu.	7	...	Cu.	9	...	Cu.	8	...	St.-Cu.	10	d⁰	St.-Cu.	10	...	St.-Cu.	9	p⁰	c & o to op ▲ ● & c *a* : od⁰ & p ●⁰ *p* : o & op⁰ *n* :
24	St.	9	...	St.-Cu.	10	...	Cu.-Nb.	8	...	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	4	...	o to op▲² ● to c *a* : o & op▲ ● ✱ *p* : bc & op *n* :
25	St.-Cu.	7	...	St.-Cu.	7	...	Cu.	6	...	Cu.-Nb.	9	p ●▲⁰	Cu.-Nb.	8	...	St.-Cu.	7	...	c & bc *a* : bc p ● ▲ *p* : c & o *n* :
26	St.-Cu.	8	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	10	...	Ci.-St.	8	...	c to o *a* : o to op ▲⁰ ●⁰ *p* : c & op *n* :
27	St.-Cu.	9	...	St.-Cu.	7	...	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	9	...	Ci.-St.	4	...	o & c to op⁰ ● *a and p* : o, bc & op⁰ ● *n* :
28	St.-Cu.	9	p ✱	St.-Cu.	3	...	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	6	...	St.-Cu.	2	...	bc early, op✱ to b & op⁰ *a* : c & op ●⁰ to bc *p* :
29	Ci.-St.	8	⌊	Ci.-St.	7	...	St.-Cu.	10	...	Nb.	10	●⁰	St.-Cu.	7	...	St.-Cu.	5	...	c⌴ to o *a* : o & o●⁰ to c *p* : c & bc *n* : [c & bc *n* :
30	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	7	y	St.-Cu.	9	...	St.-Cu.	10	...	bc & op ●⁰ *a* : o & c *p* : op ●⁰ to bc & o *n* :
Mean Cloud Am'nt	—	6·5	—	—	6·8	—	—	8·1	—	—	7·4	—	—	6·7	—	—	4·9	—	
G.M.T.	7h.			9h.			13h.			15h.			18h.			21h.			

186. Eskdalemuir. **May, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.	10	...	Nb.	10	d	St.	10	...	St.	10	...	A.-Cu.	5	...	St.-Cu.	1	...	o to o ● *a* ; o & od *p* : op ▲ ✱ to bc *n* :
2	Cu.	3	...	Cu.	8	...	Cu.	8	...	Cu.-Nb.	8	...	Cu.	3	...	—	0	...	b to c *a* : c & p ▲ to b *p* : b & c *n* :
3	St.	10	...	Nb.	10	d_0	Nb.	10	● ≡⁰	,Nb.	10	d ≡⁰	St.-Cu.	5	...	Fr.-St.	7	...	b to ● ≡⁰ *a* : d ≡⁰ to bc *p* : b & c,d^0 *n* :
4	St.-Cu.	9	...	St.-Cu.	9	...	Cu.	8	...	Cu.	8	...	Nb.	10	●	St.-Cu.	8	...	o & cp ▲ ● *a* : c to op ▲ ● *p* : o ● to c 🌙 *n* :
5	Nb.	10	●	Nb.	10	● ≡⁰	Nb.	9	p ●	Nb.	8	...	Cu.	3	...	St.-Cu.	1	...	c to o ● ≡⁰ *a* : c, cp to b *p* : b *n* :
6	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	St.	10	≡ ⋮	St.	10	≡	b early, od ≡⁰ to ● ≡⁰ *a* : o ● ≡⁰ to ≡ ⋮ *p* : o ≡ *n* :
7	Nb.	10	● ≡⁰	St.	10	≡ ⋮	St.	10	...	St.-Cu.	9	...	St.-Cu.	5	...	St.-Cu.	1	...	o ≡ ⋮ at first, o ● ≡⁰ to o ≡ ⋮ to o *a* : o to bc *p* : bc
8	St.	10	...	St.	10	...	St.-Cu.	8	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	4	...	b to o & c *a* : c & o *p* : o to bc *n* : [and b *n* :
9	St.-Cu.	7	...	Ci.	6	...	Ci.-St.	7	y	A.-Cu.	7	y	St.-Cu.	8	...	St.-Cu.	9	...	b to cy *a* : cy to o *p and n* :
10	St.-Cu.	7	...	St.-Cu.	6	...	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	8	...	o to bc then o *a* : o to c *p and n* :
11	St.-Cu.	8	...	A.-Cu.	6	y	St.-Cu.	9	y	St.-Cu.	10	y	St.-Cu.	10	...	St.-Cu.	10	d_0	c to oy *a* : oy to o *p and n* :
12	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	9	y	St.-Cu.	9	y	St.-Cu.	7	...	St.-Cu.	3	...	op ●⁰ early to c & oy *a* : oy to c *p* : c & b *n* :
13	St.-Cu.	4	...	A.-Cu.	7	...	St.-Cu.	8	y	Fr.-Cu.	7	...	Fr.-Cu.	7	...	St.-Cu.	10	...	b to oy *a* : c to o *p and n* :
14	St.-Cu.	9	...	St.-Cu.	10	p^0	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	10	...	St.	10	...	c to op *a*, *p*, *n* :
15	St.	10	...	St.	10	...	Nb.	10	d_0	St.-Cu.	10	...	St.	10	...	Nb.	10	● ≡⁰	o to od^0 *a* : o and od^0 *p* : o to o ● ≡⁰ *n* :
16	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	oi ● to o ● ≡⁰ *a* : o ● ≡⁰ *p and n* :
17	Nb.	10	● ≡⁰	Nb.	10	●	Fr.-St.	10	...	St.-Cu.	10	...	Nb.	10	●	St.	10	...	o ● ≡⁰ to o *a* : o & o ● *p and n* :
18	Nb.	9	d_0	St.-Cu.	9	...	Nb.	10	p	Cu.-Nb.	7	...	Cu.-Nb.	7	p q	St.-Cu.	9	...	od^0 & op ● *a* : c & opq *p and n* :
19	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	7	...	St.-Cu.	6	...	Cu.	3	...	c to op ●⁰ & o *a* : c to bc *p* : b & bc *n* :
20	St.-Cu.	7	...	St.	10	p^0	Nb.	10	d_0	St.	10	≡	St.	10	≡ ⋮	St.	10	≡	bc to o & op ●⁰ *a* : o ≡ ⋮ *p* : o ≡ *n* :
21	St.	10	●⁰ ≡⁰	St.	10	●⁰	St.	10	...	St.	10	...	Nb.	10	● ≡⁰	St.	10	...	o ● ≡⁰ to o *a* : o to o ● ≡⁰ *p* : o & o ● ≡⁰ *n* : ⩽23h.
22	St.	10	≡ ⋮	St.	10	≡⁰	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	7	...	A.-Cu.	3	...	🌙 early, o ≡ ⋮ to o & c *a* : o to bc *p* : c to b *n* :
23	St.-Cu.	10	...	Nb.	10	d_0	Nb.	10	● ≡⁰	Nb.	10	...	St.-Cu.	7	≡⁰	St.	10	≡ ⋮	b to o ● ≡⁰ *a* : o to o ≡⁰ *p* : o ≡ ⋮ *n* :
24	A.-St.	8	...	A.-Cu.	10	...	A.-Cu.	10	y	St.-Cu.	9	y	A.-Cu.	10	...	St.-Cu.	10	...	≡ ⋮ early, to b & oy : *a* : oy to o : *p* : o & o ●⁰ : *n* :
25	—	0	∞	Ci.-St.	1	y	St.-Cu.	8	y	St.-Cu.	9	y	Ci.-St.	8	...	A.-Cu.	8	...	b & c ∞ y *a* : oy to o *p* : o to c *n* :
26	St.	10	≡ ⋮	St.	10	d ≡ ⋮	St.-Cu.	5	y	St.-Cu.	6	y	St.-Cu.	2	...	St.-Cu.	1	...	o ≡ ⋮ to bcy *a* : bcy to b *p and n* :
27	St.-Cu.	6	...	St.-Cu.	8	y	St.-Cu.	7	y	St.-Cu.	4	y	A.-Cu.	5	y	—	0	...	bc to cy *a* : cy to b *p and n* :
28	A.-St.	10	...	A.-St.	10	...	St.-Cu.	9	...	St.-Cu.	9	...	St.-Cu.	5	...	Ci.-St.	5	...	bc to o *a* : o to bc *p and n* :
29	Ci.-St.	1	...	Ci.-Cu.	2	y	Cu.	5	y	Cu.	6	y	Cu.	2	...	Ci.	5	...	b to bcy *a* : bcy to b *p* : b & bc *n* :
30	St.	10	≡ ⋮	A.-Cu.	7	...	Ci.-St.	5	...	Ci.-St.	7	...	A.-Cu.	8	...	A.-Cu.	7	...	bc to o ≡ ⋮ to bc *a* : c to bc *p and n* :
31	A.-Cu.	5	...	Ci.-Cu.	3	...	Cu.	3	...	St.-Cu.	2	...	Ci.	4	...	Ci.	3	...	Mainly fair.
Mean Cloud Am'nt	—	8·1	—	—	8·4	—	—	8·6	—	—	8·4	—	—	7·2	—	—	6·3	—	

187. Eskdalemuir. **June, 1922.**

1	St.-Cu.	5	...	St.-Cu.	6	...	Ci.	4	...	Ci.	2	...	A.-Cu.	5	...	A.-Cu.	10	≡⁰	bc to b *a and p* : bc to o ≡⁰ *n* :
2	St.-Cu.	7	...	A.-Cu.	4	...	St.-Cu.	9	...	St.-Cu.	6	...	St.-Cu.	3	...	Cu.	1	...	o ≡⁰ to bc & o *a* : o to b *p and n* :
3	St.-Cu.	9	...	St.-Cu.	7	...	St.-Cu.	7	y	Cu.	2	y	Cu.	6	...	Cu.	1	...	o and c, cp *a* : cy to b *p and n* :
4	St.-Cu.	8	...	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	9	...	St.-Cu.	10	●⁰	b to c & o *a* : c & o *p* : o & o ●⁰ *n* :
5	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	3	...	o & c & p^0 *a* : o *p* : o to b *n* :
6	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	5	y	St.-Cu.	5	...	Cu.	4	...	Ci.-St.	3	...	b, o to bcy *a* : bc to b *p and n* :
7	Ci.	5	...	Ci.	5	y	Ci.	2	y	Ci.	1	y	A.-Cu.	4	y	St.-Cu.	7	...	b & bc to bcy *a* : by to c *p and n* :
8	A.-Cu.	1	...	A.-Cu.	1	y	Ci.-St.	7	y ⊕	Ci.-St.	8	y ⊕	A.-Cu.	8	y	A.-Cu.	10	...	b to cy ⊕ *a* : cy ⊕ *p* : cy to o *n* :
9	St.-Cu.	9	∞	A.-Cu.	9	...	A.-St.	10	p^0 y	A.-St.	10	p^0	St.-Cu.	10	...	St.-Cu.	10	d_0	o & o ∞ to oy *a* : op^0 to od^0 *p and n* :
10	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	8	...	Cu.	6	...	Cu.	7	...	St.-Cu.	3	...	o ● early, o & c *a* bc & c *p* : c to bc *n* :
11	Ci.	1	...	A.-St.	2	y	St.-Cu.	7	y	St.-Cu.	10	...	St.-Cu.	9	...	Ci.	5	...	b to cy *a* : o *p* : o to bc *n* :
12	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	7	...	St.-Cu.	10	≡⁰	c to o *a* : o and c *p* : o ≡⁰ *n* :
13	St.-Cu.	10	...	Nb.	10	d_0	St.-Cu.	10	...	St.-Cu.	9	...	Cu.	7	...	Cu.	4	...	o ● early, o & od^0 *a* : o to ● p^0 & c *p* : c & bc *n* :
14	St.-Cu.	5	...	Cu.	7	...	St.-Cu.	8	y	St.-Cu.	10	y	St.	10	...	Nb.	10	●⁰	bc to cy *a* : oy to o *p* : o to o ●⁰ *n* :
15	St.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	y	St.-Cu.	10	...	St.-Cu.	9	...	o ●⁰ early, o *a* : o & oy *p* : o *n* :
16	St.-Cu.	10	≡⁰	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	Cu.	6	...	St.-Cu.	3	...	o ≡⁰ to o *a* : o *p* : bc *n* :
17	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	8	y	St.-Cu.	9	...	St.-Cu.	9	...	St.-Cu.	9	...	bc to cy a : o & op^0 *p* : o *n* : [to o *n* :
18	Cu.	5	...	St.-Cu.	9	...	St.	10	...	Nb.	10	d_0	Nb.	10	●⁰ ≡⁰	St.	10	...	bc to o, o ●⁰ *a* : od^0 to o ● ≡⁰ *p* : o ● ≡⁰
19	Nb.	10	d_0	Nb.	10	...	Nb.	10	d_0	St.-Cu.	9	...	St.-Cu.	9	...	A.-St.	10	...	o & od^0 *a* : o *p and n* :
20	Nb.	10	d ≡⁰	Nb.	10	d^0	Nb.	10	d_0 ≡⁰	Cu.	8	...	St.-Cu.	8	...	St.-Cu.	1	...	od ≡⁰ *a* : o & c *p* : c to b *n* :
21	St.	8	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	7	...	o & c to o ● *a* : o & op *p* : o to c *n* :
22	St.	10	≡⁰	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Nb.	10	●⁰	Nb.	10	●⁰ —⁰	Nb.	10	●⁰ ≡⁰	o & o ● ≡⁰ *a* : o ● to o ●⁰ ≡⁰ *p and n* :
23	St.	10	...	St.-Cu.	10	...	Cu.	9	...	Cu.	10	...	A. St.	10	...	St.-Cu.	8	...	o ● early, o *a* : o to c *p and n* :
24	Nb.	10	...	St.-Cu	10	...	Nb.	10	●	St.-Cu.	9	...	St Cu.	7	...	Nb.	10	d_0	od & o to o ● *a* : o & c *p* : c & opd^0 *n* :
25	St.-Cu.	9	...	Cu.	9	...	Nb.	9	p	Cu.	8	q	St.-Cu.	7	...	St.-Cu.	7	q	o & c ● p^2 *a* : cq & c *p and n* :
26	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	c & o *a and p* o & op : *n* :
27	St.-Cu.	7	...	St.-Cu.	8	...	St.-Cu.	10	...	Nb.	10	●⁰	Nb.	10	●⁰ —⁰	Nb.	10	● ≡⁰	o & c *a* : o to o ●⁰ ≡⁰ *p* : o ● ≡⁰ *n* :
28	St.-Cu	4	...	St.-Cu.	9	...	Cu.	7	y	St.-Cu.	7	y	Cu.	4	y	St.-Cu.	5	...	bc to o & cy *a* : cy & bcy *p* : bc *n* :
29	Nb.	10	●⁰	St.-Cu.	9	p ●	St.-Cu.	7	...	St.-Cu.	7	y	Cu.	4	...	St.-Cu.	7	...	op ●⁰ to c *a* : op to cy *p* : bc & c *n* :
30	Cu.	8	...	St.-Cu.	10	●₀	Nb.	10	●	St.-Cu.	9	...	St.-Cu.	8	...	Ci.-St.	7	...	c to o ● : p ▲ *a* : p ● to c *p* : c to p ●⁰ *n* :
Mean Cloud Am'nt	—	7·8	—	—	8·3	—	—	8·4	—	—	8·2	—	—	7·8	—	—	7·3	—	
G.M.T.	7h.			9h.			13h.			15h.			18h.			21h.			

188. Eskdalemuir.

July, 1922.

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	Nb.	10	● ≡⁰	Nb.	10	●⁰ ≡⁰	Nb.	10	● ≡⁰	Nb.	10	●	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	o ● ≡⁰ & ●⁰ ≡⁰ *a* : ● ≡⁰ *p and n* :
2	Nb.	10	● ≡⁰	Nb.	10	p ≡⁰	Nb.	10	● ≡⁰	St.-Cu.	10	…	Nb.	10	●	St.-Cu.	10	…	o ● ▲ ≡⁰, op *a* : o & op *p* : op & o *n* :
3	St.-Cu.	9	…	St.-Cu.	10	…	St.-Cu.	10	…	Cu.	9	p⁰	St.-Cu.	8	…	A.-St.	6	…	oco, op⁰ *a* : op⁰c *p* : bc *n* :
4	A.-St.	10	…	Nb.	10	d⁰	St.-Cu.	8	…	St.-Cu.	9	…	Nb.	9	…	St.	9	p	bc, op, od⁰ to c *a* : c & op⁰ *p* : op *n* :
5	St.-Cu.	8	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	9	…	p early, c & o *a* : o *p* : c to o *n* : ⊕ 1720.
6	Nb.	10	●²	Nb.	10	●	St.-Cu.	9	…	St.-Cu.	9	…	St.-Cu.	8	…	St.-Cu.	3	…	o ●, ●² to op *a* : o & c *p* : c to b *n* :
7	Ci.	8	…	St.-Cu.	9	…	Nb.	9	p²	Nb.	10	● q	St.-Cu.	6	…	St.-Cu.	6	…	b to o at 9h. : op² ▲ *a* : o ● q *p* : bc *n* :
8	A.-Cu.	10	…	Nb.	10	●⁰	Nb.	10	●⁰ ≡⁰	Nb.	10	…	Nb.	10	●	St.	10	≡⁰	bc, o to o ●⁰ ≡⁰ *a* : o & op *p and n* :
9	St.-Cu.	10	…	St.-Cu.	9	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	o ●, o & c *a* : o & op *p* : o *n* :
10	St.-Cu.	6	…	Cu.	6	…	St.-Cu.	8	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	bc & c *a* : c & o *p and n* :
11	St.-Cu.	9	…	St.-Cu.	9	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	8	…	—	0	…	o & c *a and p* : c to b *n* :
12	A.-Cu.	5	…	St.-Cu.	9	…	Nb.	10	d⁰ ≡⁰	Nb.	10	≡⁰	Nb.	10	d⁰ ≡⁰	Nb.	10	d ≡ ⋮	bc to od ≡⁰ *a* : o ≡⁰ & od⁰ ≡⁰ *p* : od ≡ ⋮ *n* :
13	Nb.	10	d ≡⁰	Nb.	10	d⁰	St.-Cu.	10	…	St.-Cu.	9	…	Nb.	10	●⁰	Nb.	10	●⁰ ≡⁰	od ≡⁰, od⁰ to o *a* : o, o ●⁰ *p* : o ●⁰ ≡⁰ *n* :
14	St.-Cu.	9	…	Cu.	7	…	Cu.	8	y	Ci.	6	y	Ci.-St.	7	…	St.-Cu.	7	…	o to bc, cy *a* : bcy to c *p* : c & bc *n* :
15	Ci.	2	p	Cu.	6	y	St.-Cu.	9	y	St.-Cu.	9	y	St.-Cu.	9	…	Ci.-St.	8	…	b ⌓ to bcy, oy *a* : oy to o *p* : o to c *n* :
16	Nb.	10	●	Nb.	10	d⁰	St.-Cu.	10	…	Ci.-St.	10	…	Ci.-St.	10	…	Nb.	10	●⁰ ≡⁰	o, o ●⁰ & d⁰ *a* : o *p* : o to o ●⁰ ≡⁰ *n* :
17	St.-Cu.	9	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	9	…	Nb.	9	p	Ci.	8	…	o : *a* : o to op *p* : op, c & bc *n* :
18	St.-Cu.	8	…	St.-Cu.	10	…	St.-Cu.	9	…	St.-Cu.	6	…	St.-Cu.	3	…	Ci.	1	…	c & b to o *a* : o to bc *p* : b *n* :
19	St.-Cu.	9	…	St.-Cu.	10	…	St.-Cu.	9	…	St.-Cu.	7	…	St.-Cu.	7	…	St.-Cu.	8	…	b to o *a* : o to c *p* : c & o *n* :
20	Nb.	10	d⁰ ≡⁰	Nb.	10	d ≡⁰	Nb.	10	d⁰ ≡⁰	Nb.	10	d ≡⁰	Nb.	10	≡⁰	Nb.	10	d⁰ ≡⁰	od⁰ ≡⁰ *a and p* : o ● ≡⁰ to od ≡⁰ *n* :
21	Nb.	10	●⁰	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	9	…	St.-Cu.	8	…	St.-Cu.	8	…	o ●⁰ to o & c *a* : c & o *p* : op & c *n* :
22	Ci.	4	…	St.-Cu.	9	…	St.-Cu.	9	…	St.-Cu.	7	y	Ci.	5	…	St.-Cu.	9	…	o, bc to o *a* : o, cy to bc *p* : bc to o *n* :
23	St.-Cu.	9	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	A.-St.	10	…	A.-Cu.	7	…	Overcast *a and p* : o to c *n* :
24	St.-Cu.	9	…	St.-Cu.	10	…	St.-Cu.	9	…	A.-St.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	o & c *a and p* : o & o ●⁰ *n* :
25	St.-Cu.	9	…	St.-Cu.	8	…	St.-Cu.	9	…	St.-Cu.	9	…	Ci.-St.	7	…	A.-St.	9	…	o, o ●⁰ to c *a* : c & o *p and n* :
26	Nb.	10	●⁰ ≡⁰	St.	10	≡⁰	Nb.	10	● ≡⁰	Nb.	10	●⁰ ≡⁰	Nb.	10	●⁰ ≡⁰	St.-Cu.	3	…	o ●⁰ ≡⁰ & o ● ≡⁰ *a and p* : o ●⁰ ≡⁰ to b *n* :
27	St.-Cu.	5	…	St.-Cu.	9	…	St.-Cu.	8	…	St.-Cu.	6	y	St.-Cu.	10	…	St.-Cu.	9	…	b to op & c *a* : c, by to o *p* : o *n* :
28	St.-Cu.	7	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	7	…	b to o *a* : o to c *p and n* :
29	Nb.	10	●⁰	Nb.	10	● ≡⁰	St.	10	≡⁰	St.	10	…	Nb.	10	d⁰	St.-Cu.	10	…	o ●⁰ to o ≡⁰ *a* : o ≡⁰ *p* : od⁰ to o *n* :
30	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	9	…	Cu.	8	…	St.-Cu.	10	…	St.-Cu.	7	…	o & c at first, op *a* : c & op *p* : c to o ● & c *n* :
31	St.-Cu.	9	…	St.-Cu.	9	…	St.-Cu.	10	…	Nb.	9	p	St.-Cu.	9	…	St.-Cu.	9	…	o & c, op *a* : o ● ⌅ at 1315, p ▲ *p* : o & op *n* :
Mean Cloud Am'nt	—	8·5	—	—	9·4	—	—	9·5	—	—	9·1	—	—	8·8	—	—	7·8	—	

189. Eskdalemuir.

August, 1922.

Day.																			
1	St.-Cu.	10	…	St.-Cu.	9	…	St.-Cu.	8	…	St.-Cu.	9	…	St.-Cu.	9	p	St.-Cu.	10	…	o, op to c *a* : c & op *p and n* :
2	St.-Cu.	10	…	Nb.	10	d⁰	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	9	…	St.-Cu.	10	…	o, od & o ● *a* : o & op *p and n* :
3	St.-Cu.	7	…	St.-Cu.	10	…	Cu.	8	…	St.-Cu.	9	…	St.-Cu.	9	…	St.-Cu.	6	…	o ≡ ⋮ to c & o *a* : c & o *p* : o to bc *n* :
4	St.-Cu.	7	…	St.-Cu.	8	…	St.-Cu.	10	…	St.-Cu.	9	…	St.-Cu.	9	…	St.-Cu.	10	…	bc early ; c & o *a* : o *p* : o, o ●⁰, o *n* :
5	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	7	…	A.-Cu.	8	…	St.-Cu.	8	…	o *a* : c *p and n* :
6	St.-Cu.	9	≡⁰	St.-Cu.	9	…	St.-Cu.	8	y	St.-Cu.	8	…	Nb.	10	●	St.	10	…	c to o ≡⁰ to o *a* : cy & c *p* : o ●⁰ & o *n* :
7	St.-Cu.	8	…	St.-Cu.	8	…	St.-Cu.	10	…	St.-Cu.	10	…	A.-St.	10	…	St.-Cu.	9	…	o ≡ ⋮ early ; c & o *a* : o *p and n* :
8	Nb.	10	●	Nb.	10	d⁰	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Nb.	10	d ≡⁰	o ●, od⁰ to o ● ≡⁰ *a* : o ● ≡⁰ *p* : o ●⁰ ≡⁰ to
9	Nb.	10	d⁰ ≡⁰	Nb.	10	d⁰	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	8	…	St.-Cu.	10	…	od⁰ ≡⁰ to o *a* : o & c *p and n* : [od ≡⁰ *n* :
10	St.-Cu.	10	…	St.-Cu.	10	y	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	o, oy to o *a* : o *p and n* :
11	St.-Cu.	10	…	St.-Cu.	8	…	St.-Cu.	10	y	St.-Cu.	7	y	St.-Cu.	1	…	Ci.	1	…	o, c to oy *a* : cy to b *p* : b, ⁂⁰ 22h. *n* :
12	Nb.	10	●	Nb.	10	● ≡⁰	Nb.	10	●⁰ ≡⁰	Nb.	10	●⁰ ≡⁰	St.-Cu.	10	…	St.-Cu.	6	…	o ●, o ● ≡⁰ *a* : o ●⁰ ≡⁰ to o *p* : bc, lunar ⌒
13	St.-Cu.	7	…	St.-Cu.	9	…	St.-Cu.	7	y	Cu.	8	…	Cu.	7	…	St.-Cu.	8	…	bc, c & op, cy *a* : c *p and n* : [22h. *n* :
14	St.-Cu.	5	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	9	…	St.-Cu.	10	…	c & bc to o *a* : o *p* : o & c *n* :
15	St.	9	…	St.-Cu.	9	…	St.-Cu.	10	…	Nb.	10	d⁰	St.	10	…	Nb.	10	d⁰	o, c & o, o, od⁰ *a* : o & od⁰ *p and n* :
16	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	St.	10	≡⁰	St.	10	…	St.	10	…	Nb.	10	d⁰	o ● ≡⁰ to o ≡⁰ *a* : o & o ≡⁰ *p* : o, od⁰ *n* :
17	Nb.	9	●⁰	St.-Cu.	8	…	St.-Cu.	9	…	Nb.	10	●	St.-Cu.	8	…	St.-Cu.	9	…	od, o ● to c *a* : c, op ⌅ q *p* : c & op *n* :
18	St.-Cu.	9	…	St.-Cu.	7	…	St.-Cu.	5	y	St.-Cu.	4	y	St.-Cu.	3	…	—	0	…	op⁰, o & c to bcy *a* : bcy to bc *p* : bc & b *n* :
19	Nb.	10	d⁰ ≡⁰	St.	10	≡⁰	St.	10	…	St.-Cu.	10	…	St.	10	…	St.	10	…	b, od⁰ ≡⁰ to oe ≡⁰ to o *a* : o *p and n* :
20	St.	10	…	Nb.	10	d⁰ ≡⁰	St.	10	≡⁰	St.	10	≡⁰	Nb.	10	d⁰ ≡⁰	Nb.	10	d⁰ ≡⁰	o, od⁰ ≡⁰ to o ≡⁰ *a* : o ≡⁰ & od⁰ ≡⁰ *p and n* :
21	Nb.	10	● ≡⁰	St.	10	d⁰ ≡⁰	Nb.	10	d ≡⁰	Nb.	10	d ≡⁰	St.	10	…	Nb.	10	d⁰ ≡⁰	o ● ≡⁰ to od ≡⁰ *a* : od ≡⁰ to o *p* : o & od⁰ ≡⁰ *n* :
22	Nb.	10	●	St.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	Nb.	10	●⁰ ≡⁰	Nb.	10	● ≡⁰	o, o ● to o & c *a* : o to o ●⁰ ≡⁰ *p* : o ● ≡⁰ *n* :
23	A.-Cu.	5	…	St.-Cu.	5	…	St.-Cu.	7	q y	St.-Cu.	6	q	St.-Cu.	5	…	St.-Cu.	4	…	o to bc, cqy *a* : bcq *p* : bc *n* :
24	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	Nb.	10	d ≡⁰	Nb.	10	d⁰ ≡⁰	St.	10	…	bc, o *a* : o, od ≡⁰ *p* : o & od⁰ ≡⁰ *n* :
25	St.-Cu.	10	⌅⁰	St.-Cu.	10	…	F.-Cu.	5	…	St.-Cu.	6	y	A.-St.	2	…	St.-Cu.	1	…	o ≡⁰ to bc *a* : by to b *p* : b *n* :
26	St.-Cu.	2	…	Fr.-Cu.	6	…	St.-Cu.	10	…	St.-Cu.	9	…	Nb.	10	d² ≡⁰	Nb.	10	d⁰	b and bc to o *a* : o, od² ≡⁰ *p* : od⁰ ≡⁰ *n* :
27	Nb.	10	d ≡⁰	Nb.	10	d⁰ ≡⁰	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	8	…	St.-Cu.	9	…	od ≡⁰, op⁰ to o *a* : o, c & op⁰ *p* : c & o *n* :
28	St.	8	…	St.-Cu.	10	…	St.-Cu.	8	…	St.-Cu.	7	y	St.-Cu.	8	…	Ci.-St.	4	…	op⁰, c & bc *a* : cy & bc *p* : bc to c *n* :
29	St.	10	⌅⁰	St.	10	≡ ⋮	St.-Cu.	9	…	St.-Cu.	9	…	St.-Cu.	8	…	St.-Cu.	10	…	o ● ≡⁰ early ; o ≡ ⋮ to o & c *a* : c & o *p and n* :
30	St.-Cu.	6	…	St.-Cu.	6	…	A.-St.	10	…	A.-St.	10	…	St.-Cu.	10	…	Ci.-St.	2	≡⁰	bc to o *a* : o & c *p* : b ≡⁰ *n* :
31	Nb.	10	d⁰ ⌅⁰	St.-Cu.	9	…	Nb.	10	d⁰ ≡⁰	St.-Cu.	10	…	St.-Cu.	10	p	St.-Cu.	10	…	od⁰ ≡⁰ & o *a* : od⁰, op⁰ & o *p* : o *n* :
Mean Cloud Am'nt	–	8·7	—	—	9·1	—	—	9·2	—	—	9·0	—	—	8·4	—	—	8·0	—	
G.M.T.	7h.			9h.			13h.			15h.			18h.			21h.			

190. Eskdalemuir. **September, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	Ci.-St.	2	...	St.-Cu.	10	...	Nb.	10	●	Nb.	10	●	Nb.	10	d^0	St.-Cu.	10	...	o to b ☂ to o & o ● *a* : o ● to od^0 *p* : od^0 to
2	St.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	6	...	St.-Cu.	10	...	St.-Cu.	10	...	o *a* : o & c to o ≡^{0} *p* : o ≡^{0} *n* : [o *n* :
3	St.	10	≡^{0}	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	≡^{0}	o ≡^{0} to o *a* : o *p* : o to o ≡^{0} *n* :
4	St.	10	☂	St.	10	...	Ci.	6	...	St.-Cu.	7	...	St.-Cu.	2	...	A.-St.	1	...	o ☂, oe to bc *a* : c & bcy *p* : b *n* :
5	St.	10	≡^{0}	St.	10	...	St.-Cu.	8	...	St.-Cu.	6	...	St.-Cu.	10	...	St.	10	≡^{0}	o ≡^{0} to c *a* : c & bc *p* : o to o ≡^{0} *n* :
6	St.	7	...	Ci.	4	...	Ci.	7	...	Ci.	7	...	A.-St.	3	...	St.-Cu.	4	...	o ≡^{0} early ; c & bc *a* : c to b *p* : b & bc *n* :
7	A.-Cu.	9	≡^{0}	St.	9	...	A.-Cu.	8	...	Ci.-St.	4	...	—	0	...	—	0	...	b early ; o ≡^{0} to c *a* : c & bc *p* : b *n* :
8	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	8	...	o *a and p* : o to bc *n* :
9	St.-Cu.	1	...	Cu.	3	...	St.-Cu.	5	...	Cu.	7	...	Cu.	2	...	St.-Cu.	1	...	b & bc *a* : c & bc *p* : b *n* :
10	St.-Cu.	8	...	A.-Cu.	8	...	F.-Cu.	7	...	Ci.-Cu.	4	...	St.-Cu.	8	...	St.-Cu.	9	...	c *a* : c & bc *p* : c to o *n* :
11	St.-Cu.	10	...	St.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	...	St.	10	...	Overcast all day.
12	St.	10	...	St.-Cu.	10	...	Nb.	10	d	Nb.	10	d^0 ≡^{0}	Nb.	10	d^0 ≡^{0}	Nb.	10	d^0 ≡^{0}	o, od early ; o to o ●^{0} *a* : od^0 ≡^{0} & od ≡^{0}
13	Nb.	10	d	Nb.	10	d	Nb.	10	●	Nb.	10	●	A.-St.	10	...	St.-Cu.	10	...	od^0 to o ● *a* : o ● to o *p* : o *n* : [*p and n* :
14	St.	10	...	Nb.	10	● ≡^{0}	St.-Cu.	10	...	St.-Cu.	10	...	Ci.	9	...	St.-Cu.	8	...	o, o ● ≡^{0} to o *a* : o *p* : o to c *n* :
15	Cu.	4	...	St.-Cu.	3	...	Cu.	5	y	St.-Cu.	5	y	St.-Cu.	8	...	—	0	...	c, b to bcy *a* : bcy to c *p* : b *n* :
16	Nb.	10	d ≡^{0}	Nb.	10	● ≡^{0}	Nb.	10	d ≡^{0}	St.	10	≡^{0}	Nb.	10	●	Nb.	10	●^{0}	od ≡^{0} & o ● ≡^{0} *a* : o ≡^{0} & o ● ≡^{0} *p and n* :
17	St.-Cu.	9	...	Nb.	10	p	Nb.	9	...	St.-Cu.	7	...	Nb.	10	p^0	St.-Cu.	8	...	o ● ≡^{0} early ; o & op^2 *a* : c, op^2 & c *p* : c and
18	Ci.	8	⌴	A.-Cu.	8	...	St.-Cu.	9	...	Nb.	10	...	Nb.	10	p^0	St.	10	...	c⌴, o ● & c *a* : o & op^0 *p* : op^0 *n* : [op^0,*n* :
19	Nb.	10	● ≡^{0}	Nb.	10	● ≡^{0}	Nb.	10	d^0 ≡^{0}	Nb.	10	d ≡^{0}	St.	10	...	Nb.	10	d^0 ≡^{0}	o ● ≡^{0} to od^0 ≡^{0} *a* : o & od ≡^{0} *p and n* :
20	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	10	...	A.-St.	9	...	A.-Cu.	9	...	St.-Cu.	10	...	c & o *a* o *p and n* :
21	Nb.	10	d ≡^{0}	Nb.	10	d^0 ≡^{0}	A.-St.	10	...	A.-St.	10	...	A.-St.	10	...	A.-St.	9	...	od^0 ≡^{0} to o *a* : op *p* : o & o ●^{0} *n* :
22	Ci.	5	...	—	0	—	—	0	y	—	0	y	—	0	...	—	0	...	o ≡ ⋮ to b & by *a* : by to b *p* : b *n* :
23	Ci.	8	⌴	Ci.	9	...	Cu.	10	...	St.-Cu.	8	...	A.-St.	7	≡^{0}	St.-Cu.	4	...	c⌴ to o *a* : o & c *p* : c ≡^{0} to bc *n* :
24	Nb.	10	●^{0}	Nb.	10	●^{0}	St.	10	≡^{0}	St.	10	...	Nb.	10	●^{0}	St.	10	...	o ●^{0} to o ●^{0} ≡^{0} *a* : o & o ●^{0} *p and n* :
28	St.	10	...	St.	10	...	St.	10	...	St.	10	...	St.-Cu.	9	...	St.-Cu.	10	...	Overcast all day.
26	Nb.	10	d ≡^{0}	Nb.	10	●	Nb.	10	d ≡^{0}	St.-Cu.	10	...	St.-Cu.	10	...	St.	4	...	o, od ≡^{0} to o ●, od ≡^{0} *a* : o *p* : o, op to bc *n* :
27	St.-Cu.	7	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	4	≡^{0}	St.	10	≡^{0}	bc to o *a* : o to bc ≡^{0} *p* : bc ≡^{0} to o ≡^{0} *n* :
28	St.	10	...	Nb.	10	d^0 ≡^{0}	Nb.	10	d^0 ≡^{0}	Nb.	10	d^0 ≡^{0}	St.	10	≡^{0}	A.-St.	4	...	o ≡^{0}, o, to od ≡^{0} *a* : od^0 ≡^{0} to o ≡^{0} *p* : bcq *n* :
29	St.-Cu.	1	...	Cu.	1	...	Cu.	2	y	Cu.	2	y	St.-Cu.	3	∞	—	0	...	b to by *a* : by to bc ∞ *p* : b *n* :
30	St.-Cu.	10	⌴	St.-Cu.	10	...	Nb.	10	d ≡^{0}	Nb.	10	d ≡^{0}	Nb.	10	● ≡^{0}	Nb.	10	d ≡^{0}	o⌴, o to od ≡^{0} *a* : od ≡^{0} & o ● ≡^{0} *p and n* :
Mean Cloud Am'nt	—	8·2	—	—	8·4	—	—	8·5	—	—	8·1	—	—	7·8	—	—	7·0	—	

191. Eskdalemuir. **October, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.-Cu.	10	...	St.-Cu.	3	...	St.-Cu.	9	...	St.-Cu.	9	...	St.-Cu.	10	...	Ci.-Cu.	4	...	o ● ≡^{0} early ; o, bc to o *a* : o & c *p* : o to bc *n* :
2	St.	10	...	Nb.	10	● ≡^{0}	St.-Cu.	8	...	St.-Cu.	9	...	St.-Cu.	7	...	A.-Cu.	5	...	bc to o ● ≡^{0}, c *a* : c & o *p* : c to b *n* :
3	St.	10	☂	St.	10	≡^{0}	Nb.	10	d ≡^{0}	Nb.	10	d^0 ≡^{0}	Nb.	10	d^0 ≡^{0}	Nb.	10	d ≡^{0}	b to o ☂, o ≡^{0}, d^0 *a* : o d^0 ≡^{0} *p and n* :
4	Nb.	10	d^0 ≡^{0}	Nb.	10	d ≡^{0}	St.-Cu.	10	...	St.-Cu.	10	...	Nb.	10	d^0	Nb.	10	d^0 ≡^{0}	od^0 ≡^{0} to o *a* : o to od^0 *p* : od^0 ≡^{0} *n* :
5	Nb.	10	● ≡^{0}	Nb.	10	d ≡^{0}	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	9	≡^{0}	Nb.	10	d^0 ≡^{0}	o ● ≡^{0}, od ≡^{0} to o *a* : o, o to o ≡^{0} *p* : od^0 ≡^{0} *n* :
6	St.-Cu.	7	...	St.-Cu.	8	...	St.-Cu.	6	...	Cu.	4	y	—	0	...	—	0	...	c to bc *a* : bcy to b *p* : b *n* :
7	—	0	⌴	St.-Cu.	1	...	Cu.	1	y	—	0	y	Ci.	1	...	Ci.	3	...	b⌴ to by *a* : by to b *p* : bc *n* :
8	St.-Cu.	9	⌴	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	10	≡^{0}	St.-Cu.	10	≡^{0}	o⌴ to o *a* : o to o ≡^{0} *p* : o ≡^{0} *n* :
9	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	...	o, od^0, o *a* : o *p and n* :
10	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	Nb.	10	d^0	St.-Cu.	10	...	St.-Cu.	10	...	o *a* : o, od^0 *p* : o *n* :
11	St.-Cu.	2	⌴	A.-Cu.	1	...	F.-Cu.	3	y	A.-Cu.	6	...	St.-Cu.	8	...	St.-Cu.	10	...	b⌴ to by *a* : by to c *p* : o & c *n* :
12	Nb.	10	●^{0} ≡^{0}	Nb.	10	● ≡^{0}	Nb.	10	d^0 ≡^{0}	Nb.	10	d ≡^{0}	Nb.	10	● ≡^{0}	Nb.	10	d ≡^{0}	o ● ≡^{0} to od^0 ≡^{0} *a* : od^0 ≡^{0} & o ● ≡^{0} *p and n* :
13	St.-Cu.	9	≡^{0}	Ci.	8	≡^{0}	Ci.-St.	8	∞	Ci.-St.	9	∞	A.-St.	9	≡^{0}	—	0	≡^{0}	o ≡^{0} to c ∞ *a* : o ∞ to o ≡^{0} *p* : b ≡^{0} *n* :
14	Ci.-St.	5	≡^{0}	Ci.	3	≡^{0}	Ci.-St.	3	y	Ci.	3	y	—	0	...	—	0	≡^{0}	bc ≡^{0} to by *a* : by to b *p* : b ≡^{0} *n* :
15	—	0	⌴	—	0	...	—	0	...	—	0	y	—	0	...	—	0	...	b⌴ to b *a* : by & b *p* : b *n* :
16	Ci.-St.	4	...	St.	7	≡^{0}	—	0	...	—	0	...	St.	10	≡^{0}	St.	10	≡^{0}	b, c ≡^{0} to b *a* : b to o ≡^{0} *p* : o ≡^{0} *n* :
17	St.	10	...	St.-Cu.	9	...	F.-Cu.	2	...	F.-Cu.	4	...	St.-Cu.	10	...	St.-Cu.	10	...	c, o ≡^{0} to b *a* : b to o *p* : o *n* :
18	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	10	p^0	St.-Cu.	10	...	St.-Cu.	3	...	St.-Cu.	3	...	o, op^0, ⌢ 10.47 *a* : o, op^0 to b *p* : b *n* :
19	St.-Cu.	9	...	St.-Cu.	9	...	Nb.	10	p^0	St.-Cu.	8	...	St.-Cu.	7	...	St.-Cu.	1	...	o, bc to o, op *a* : c & op^0 *p* : op & b *n* ·
20	Nb.	10	d	Nb.	10	d ≡^{0}	St.-Cu.	10	...	Nb.	10	d	St.-Cu.	8	...	Nb.	10	d	od, od ≡^{0} to o *a* : od to c *p* : c & od *n* :
21	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	7	...	St.-Cu.	10	...	St.-Cu.	10	...	Nb.	9	d^0	od ≡^{0}, o to c *a* : c & o *p* : o, bc to od^0 *n* :
22	St.-Cu.	2	...	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	9	p	St.-Cu.	10	...	St.-Cu.	10	...	b to o *a* : bc, op^0 & o *p* : o & od^0 *n* :
23	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	7	...	St.-Cu.	10	...	c, bc to o *a* : o & c *p and n* :
24	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	9	...	Mainly overcast.
25	St.-Cu.	6	⌴	St.-Cu.	7	...	St.-Cu.	9	...	St.-Cu.	7	...	St.-Cu.	10	...	St.-Cu.	10	...	bc⌴ to o *a* : c or o *p and n* :
26	St.	10	≡	St.-Cu.	9	...	St.-Cu.	9	...	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	4	...	o ≡ to o *a* : o, op *p* : o to bc *n* :
27	St.-Cu.	9	...	Cu.	6	...	St.-Cu.	5	...	Cu.	3	...	St.-Cu.	1	...	Nb.	10	...	bc to od^0, p ✱ to bc a;bc to op ✱, b *p*:op ⚹ *n*:
28	St.-Cu.	5	...	St.-Cu.	6	...	Nb.	8	⚹	Nb.	10	p	Nb.	7	d	Nb.	9	d	bc, ep ✱ to c ⚹ *a* : op ⚹ to od *p* : o & od *n* :
29	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	9	d^0	St.-Cu.	9	d^0	St.-Cu.	10	...	St.-Cu.	10	...	o to od, c to od^0 *a* : od^0 to o *p* : o & od^0 *n* :
30	Nb.	10	d^0	Nb.	10	d^0 ≡^{0}	St.-Cu.	7	...	St.-Cu.	6	...	St.-Cu.	3	...	St.-Cu.	5	...	opd^0 ≡^{0}, c *a* : c to b *p* : b or bc *n* : ☫ 17.30.
31	Ci.-St.	3	⌴	Ci.-St.	8	⌴ ≡^{0}	Ci.-Cu.	7	≡^{0}	St.-Cu.	8	...	St.-Cu.	10	...	St.-Cu.	10	...	bc⌴ to c ≡^{0} *a* : cp to o *p* : o, op *n* :
Mean Cloud Am'nt	—	7·6	—	—	7·7	—	—	7·4	—	—	7·5	—	—	7·4	—	—	7·2	—	
G.M.T.	7h.			9h.			13h.			15h.			18h.			21h.			

192. Eskdalemuir. **November, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	Nb.	10	●² ≡⁰	Nb.	10	● ≡⁰	St.-Cu.	7	…	St.-Cu.	5	…	St.-Cu.	1	…	St.-Cu.	1	…	o ●² ≡⁰ to c *a* : c & bc *p* : b : *n* :
2	St.	10	…	St.-Cu.	7	…	F.-Cu.	1	…	Ci.-St.	1	…	St.-Cu.	1	…	St.-Cu.	7	…	⊛ op ✳⁰ to b *a* : b *p* : b, cp ✳ & c *n* :
3	Nb.	10	✳ ≡⁰	Nb.	10	…	Ci.-Cu.	4	…	A.-Cu.	5	…	Ci.-St.	8	…	Ci.-St.	7	…	⊛ o ✳ ≡⁰ to bc *a* : bc or c *p* : c *n* :
4	—	0	…	—	0	…	St.-Cu.	1	…	Cu.	1	…	—	0	…	St.-Cu.	1	…	b ⌴ to b *a* : b *p and n* :
5	A.-St.	10	⌴	St.	10	⌴	St.	10	≡⁰	Nb.	10	● ≡⁰	Nb.	10	d ≡⁰	Nb.	10	d⁰ ≡⁰	o ⌴ to od⁰ ≡⁰ *a* : o ● ≡⁰ to od ≡⁰ *p* : od⁰ ≡⁰ *n* :
6	Nb.	10	d ≡⁰	St.	10	d ≡⁰	St.-Cu.	10	…	St.-Cu.	10	…	St.	10	…	Nb.	10	● ≡⁰	opd ≡⁰ *a* : o *p* : op ≡⁰ *n* :
7	St.-Cu.	10	…	St.-Cu.	7	…	F.-Cu.	5	…	St.-Cu.	9	…	St.-Cu.	4	…	St.-Cu.	10	…	o to bc *a* : o & c *p* : bc to o *n* :
8	St.-Cu.	9	…	St.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	Nb.	10	d⁰ ≡⁰	St.-Cu.	5	…	o *a* : o to od⁰ *p* : od⁰ ≡⁰ to bc *n* :
9	St.	5	…	A.-Cu.	3	…	A.-Cu.	9	…	A.-St.	10	…	A.-Cu.	8	…	A.-St.	4	≡⁰	bc or b to o *a* : o & c *p* : c to bc ≡⁰ *n* :
10	Nb.	10	d ≡⁰	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	Nb.	10	d ≡⁰	Nb.	10	d⁰ ≡⁰	Nb.	10	●² ≡⁰	od ≡⁰ to o ● ≡⁰ *a* : od ≡⁰ *p* : od⁰ ≡⁰ to [o ●² ≡⁰ *n* :
11	Ci.-St.	1	…	—	0	…	F.-Cu.	2	…	Ci.-St.	2	…	St.-Cu.	1	…	St.-Cu.	10	…	b *a and p* : b to o *n* :
12	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	≡⁰	Overcast all day, slight mist *n* :
13	Nb.	10	d⁰ ≡⁰	Nb.	10	d⁰ ≡⁰	Nb.	10	d⁰ ≡	St.	10	≡ ⋮	St.	10	≡ ⋮	Nb.	10	d ≡⁰	od ≡⁰ to o ≡ ⋮ *a and p* : o ≡ ⋮ to od ≡⁰ *n* :
14	Nb.	10	● ≡⁰	St.-Cu.	7	≡⁰	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	5	…	St.-Cu.	10	…	o ● ≡⁰ to o *a* : o to bc *p* : bc, b to o *n* :
15	St.-Cu.	3	…	Ci.-St.	2	…	St.-Cu.	4	…	St.-Cu.	5	…	St.-Cu.	9	…	St.-Cu.	5	…	c early ; b & bc *a* : bc to o *p* : o to bc *n* :
16	St.	10	≡⁰	St.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	7	…	St.-Cu.	6	…	o ≡⁰ at first, o *a* : o to c *p* : c & bc *n* :
17	St.-Cu.	8	…	St.-Cu.	9	…	St.-Cu.	6	…	St.-Cu.	7	…	St.-Cu.	9	…	Nb.	8	d ≡⁰	c, o to bc *a* : bc to o *p* : o, cd ≡⁰ *n* :
18	St.-Cu.	5	…	—	0	…	St.-Cu.	10	…	St.-Cu.	8	≡⁰	St.-Cu.	9	…	St.-Cu.	10	≡⁰	bc, b to o *a* : c ≡⁰ to o ≡⁰ *p and n* :
19	St.-Cu.	4	…	—	0	…	Cu.	2	…	Ci.-Cu.	8	…	St.-Cu.	3	…	St.-Cu.	7	…	bc, o to b *a* : c or bc *p and n* :
20	A.-Cu.	1	⌴	Ci.-St.	1	⌴	St.-Cu.	2	…	St.-Cu.	10	…	St.-Cu.	10	…	St.	10	…	b ⌴ to b *a* : o *p and n* :
21	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	≡⁰	Nb.	10	d⁰ ≡⁰	Nb.	10	d ≡⁰	o *a* : o ≡⁰ to od⁰ ≡⁰ *p* : od ≡⁰ *n* :
22	St.-Cu.	10	…	St.-Cu.	7	…	St.-Cu.	9	…	St.-Cu.	6	…	St.-Cu.	7	…	St.-Cu.	10	…	o, bc to o *a* : op⁰, bc *p* : c, bc to o *n* :
23	Ci.-St.	7	≡⁰	St.	10	≡⁰	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	8	…	c ≡⁰, op⁰ *a* : o, op *p* : c, op⁰, c *n* :
24	Ci.-St.	5	…	Ci.-St.	7	…	Ci.-St.	3	…	Ci.-St.	2	…	—	0	⌴	—	0	⌴	c to bc, bc ⌴ to c *a* : b to b ⌴ *p* : b ⌴ *n* :
25	Ci.-St.	4	⌴	A.-Cu.	10	⌴	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	bc ⌴ to o ⌴ to o *a* : o, op⁰ *p* : o, o ● *n* :
26	St.-Cu.	10	…	Nb.	10	●	A.-St.	10	…	A.-St.	10	…	A.-St.	10	…	A.-St.	9	…	o, od ●² q at 8.30 ; to o *a* : o *p and n* :
27	A.-St.	10	…	St.	10	p⁰ ✳	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	Nb.	10	d⁰ ≡⁰	o, op ✳⁰ to o *a* : o *p* : o to od⁰ ≡⁰ *n* :
28	St.-Cu.	10	≍	St.	10	≍	St.	10	…	Nb.	10	d⁰ ≡ ⁰	Nb.	10	d⁰ ≡⁰	St.-Cu.	10	…	o ≍ at 7h. ; to o *a* : od⁰ ≡⁰ *p* : od ≡⁰ to o *n* :
29	St.-Cu.	10	…	Ci.-St.	8	≍	St.-Cu.	7	…	St.-Cu.	6	…	St.-Cu.	4	…	Nb.	10	d⁰ ≡⁰	o & c, c ≍ at 9h. to o *a* : bc *p* : od⁰ ≡⁰, [Ψ at 21.48 *n* :
30	St.-Cu.	9	…	St.-Cu.	10	d⁰	Nb.	10	d⁰	Nb.	10	● ≡⁰	St.-Cu.	10	…	St.-Cu.	4	…	o, pd⁰ *a* : o ● ≡⁰ to o *p* : op to bc, Ψ at 21.10 *n* :
Mean Cloud Am'nt	—	7·7	—	—	7·3	—	—	7·1	—	—	7·5	—	—	7·2	—	—	7·7	—	

193. Eskdalemuir. **December, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.-Cu.	8	…	St.-Cu.	7	…	St.-Cu.	6	…	St.-Cu.	3	…	St.-Cu.	3	…	St.-Cu.	1	…	bc & c *a* : bc or b *p and n* :
2	St.-Cu.	10	…	St.-Cu.	10	…	Ci.-Cu.	7	…	Ci.-St.	8	…	St.-Cu.	5	…	Ci.	2	⌴	o to c *a* : c to bc *p* : bc to b ⌴ *n* :
3	St.-Cu.	10	⌴	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	o ⌴ to o *a* : o *p and n* :
4	St.-Cu.	8	…	St.-Cu.	9	…	St.	10	…	Nb.	10	d⁰ ≡⁰	St.-Cu.	10	…	St.-Cu.	10	…	o & c *a* : o, od⁰ ≡⁰ to o *p* : o *n* :
5	St.	10	≡⁰	St.	10	≡⁰	St.	10	…	Nb.	10	● ≡⁰	St.-Cu.	10	…	St.-Cu.	9	…	o ≡⁰, od⁰ ≡⁰ *a* : o ● ≡⁰ to o *p* : o, op⁰ & c *n* :
6	A.-St.	3	…	St.-Cu.	3	…	Ci.-St.	5	…	Ci.-St.	8	…	St.-Cu.	3	…	A.-Cu.	3	…	bc *a* : c to b *p* : b *n*
7	St.-Cu.	9	…	Nb.	10	d ≡⁰	St.-Cu.	5	…	St.-Cu.	6	…	St.-Cu.	4	…	St.-Cu.	7	…	o to od ≡⁰, bc *a* : c or bc *p* : c or bc *n* :
8	St.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	9	…	St.-Cu.	10	…	St.-Cu.	10	…	o, d⁰, o *a* : o : *p and n* :
9	St.-Cu.	4	…	St.-Cu.	5	…	St.-Cu.	10	…	St.-Cu.	5	…	St.-Cu.	6	…	—	0	⌴	bc to o *a* : bc ∞ to bc *p* : b ⌴ *n* :
10	St.-Cu.	10	≡⁰	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	o ≡⁰ to o *a* : o *p and n* :
11	A.-Cu.	1	…	St.-Cu.	10	…	Nb.	10	d⁰ ≡⁰	St.	10	≡⁰	Nb.	10	d⁰	St.-Cu.	10	…	b to o, od⁰ ≡⁰ *a* : opd⁰ *p* : o *n* :
12	Nb.	10	● ≡⁰	St.	10	…	St.	10	…	St.	10	≡⁰	St.	10	d ≡⁰	St.	10	…	od⁰ ≡⁰ to o ● ≡⁰, o *a* : o ≡⁰ to opd⁰ *p* :
13	Nb.	10	● ≡⁰	Nb.	10	● ≡⁰	St.-Cu.	9	…	St.-Cu.	10	…	Nb.	10	● ≡⁰	Nb.	10	d	o ● ≡⁰ to o *a* : o & o ● ≡⁰ *p* : od *n* : [opd⁰ *n* :
14	St.-Cu.	10	…	Nb.	10	d	A.-St.	10	…	A.-St.	9	…	St.-Cu.	6	…	—	0	…	o to od, o *a* : o to bc *p* : b *n* :
15	St.-Cu.	2	⌴	St.	10	⌴	St.	10	≡ ⋮	St.	10	≡ ⋮	St.	10	≡⁰	St.-Cu.	10	≡⁰	b ⌴, o ⌴ to o ≡ ⋮ *a* : o ≡ ⋮ to o ≡⁰ *p* : o ≡⁰ *n* :
16	St.-Cu.	10	≡⁰	St.-Cu.	10	…	Nb.	10	d	A.-St.	10	…	Nb.	10	●	Nb.	10	●	o ≡⁰ to o, od *a* : o & od *p* : o ● & od *n* :
17	St.	10	≡⁰	St.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	5	…	od early, o ≡⁰ to o *a* : o *p* : o to bc *n* :
18	St.	10	…	St.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	Nb.	10	▲ ◹ ≡⁰	Nb.	9	d ≡⁰	o ✳ early ; op ✳, ✷, ▲ *a and p* : q 14.10, 15.20 : o ▲ ◹ ≡⁰ q, o ✷ ● ≡⁰ *n* :
19	Nb.	10	●	Nb.	10	●⁰	St.	10	…	St.-Cu.	10	…	St.-Cu.	9	…	St.-Cu.	4	…	o ● & o : *a* : o, ●⁰ o : *p* : op ▲ 19.22, bc : *n* :
20	St.-Cu.	7	…	A.-St.	7	≡⁰	St.	10	…	St.	10	…	St.	10	…	St.	10	≡⁰	bc to c ≡⁰ ⌴ to o : *a* : o, od⁰ o : *p* : od⁰ & o ≡⁰ : *n* :
21	St.-Cu.	9	…	St.-Cu.	9	…	Nb.	10	●⁰	Nb.	10	p ✳ ≡⁰	Nb.	10	d ≡⁰	Nb.	10	● ≡⁰	o, bc to o ●⁰ *a* : op ✳ ≡⁰ *p* : od ≡⁰ & o ● ≡⁰ *n* :
22	Nb.	10	✳⁰	St.-Cu.	10	●⁰	Nb.	10	●	Nb.	10	●² q ≡⁰	Nb.	10	●	St.-Cu.	10	…	o ✷, o ◹ ▲ at 06.16, op ✳ q *a* : o ●² q *p* : o
23	St.-Cu.	10	…	St.-Cu.	7	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	9	…	Nb.	9	p⁰	● early ; o & c *a* : o *p* : o, op⁰, o *n* : [● ≍ ≡⁰ *n* :
24	F.-St.	1	⌴	St.-Cu.	7	⌴	St.-Cu.	2	…	St.-Cu.	7	…	St.-Cu.	9	…	St.-Cu.	10	…	b ⌴, c & b *a* : b to o *p* : o or c *n* :
25	Nb.	10	●	Nb.	10	● ≍	St.-Cu.	10	…	Nb.	10	●	Nb.	10	● ≡⁰	St.-Cu.	10	…	o ●, ●² ≍ ≡⁰ to o *a* : o ● p △ ≡⁰ *p* : o [and op *n* :
26	Nb.	10	p⁰	Nb.	10	p⁰	St.-Cu.	10	●⁰	St.-Cu.	10	…	St.-Cu.	3	…	Nb.	10	●⁰	o & op⁰ *a* : o to b *p* : b to op & o *n* :
27	St.-Cu.	9	…	St.	10	…	St.-Cu.	5	…	St.	10	…	—	0	…	St.-Cu.	9	✳⁰	o, op, ✳ to bc *a* : bc, o ✳⁰ to b *p* : o & o ✳⁰ *n* :
28	St.-Cu.	10	…	St.-Cu.	8	…	Nb.	10	✳⁰ ≡⁰	St.-Cu.	9	…	St.-Cu.	9	…	St.	10	…	⊛ o ✳ early ; c & p ✳ ≡⁰ *a* : o ✷, o *p* : o & op
29	Nb.	10	d	St.	10	≡ ⋮	St.	10	≡⁰	St.	10	…	St.	10	≡ ⋮	Nb.	10	●⁰	⊛ od to o ≡ ⋮ *a* : o to ≡ ⋮ *p* : o ● *n* : [✷ *n* :
30	Nb.	10	●	Nb.	10	d	A.-St.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	A.-Cu.	4	…	o ●, od⁰ to o *a* : o *p* : o to b *n* :
31	St.-Cu.	6	⌴	St.-Cu.	10	⌴	St.-Cu.	9	…	A.-Cu.	4	…	A.-Cu.	10	…	A.-Cu.	4	⌴	b ⌴ to o ⌴ to o *a* : o, bc to o *p* : o to bc ⌴ *n* :
Mean Cloud Am'nt	—	8·6	—	—	9·1	—	—	9·0	—	—	9·0	—	—	8·3	—	—	7·6	—	
G.M.T.	7h.			9h.			13h.			15h.			18h.			21h.			

POTENTIAL GRADIENT (reduced to level surface): VOLTS PER METRE.

Mean Values for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

194. Eskdalemuir. **1922.**

Day.	January. Factor 6·27.				February. Factor 6·29.				March. Factor 6·37.			
	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.
1	43	−82	§	§	413	215	154	1,023	176	223	187	183
2	§	68	142	210	323	−1,328	−754	197	113	70	139	439
3	110	139	335	363	−1,131	305	−4	596	44	238	205	531
4	114	189	221	231	416	180	97	129	7	154	161	329
5	150	235	352	641	237	337	521	323	z −	−1,556	−183	124
6	239	331	701	748	280	546	352	284	66	139	183	−55
7	541	239	278	534	165	180	287	330	62	176	−695	183
8	z −	114	167	303	104	83	−90	136	307	758	z −	296
9	−392	−498	§	82	639	402	452	384	73	73	157	146
10	53	z ±	57	96	208	280	416	391	256	329	278	622
11	71	96	224	292	312	477	452	539	187	143	267	275
12	196	235	246	470	269	287	327	395	121	146	190	256
13	256	189	224	53	111	266	158	269	227	146	436	805
14	185	573	509	580	147	269	133	467	§	487	538	575
15	153	36	z ±	356	−431	−29	205	546	593	688	359	377
16	4	203	185	214	194	54	305	567	362	227	304	077
17	100	231	427	470	118	79	−36	14	238	253	351	494
18	271	z ±	541	997	144	474	183	205	403	534	322	622
19	356	z ±	320	712	140	−503	−628	298	388	161	11	−92
20	189	384	740	534	90	187	140	366	95	253	z −	267
21	278	−979	285	498	−108	z ±	z ±	323	190	z +	157	183
22	189	527	392	506	z ±	−682	215	330	117	223	99	220
23	352	239	196	320	−101	104	190	276	106	183	165	465
24	167	157	61	142	424	269	136	39	630	494	−2,855	0
25	128	196	153	−231	57	118	284	61	414	187	†	†
26	−231	374	−125	712	144	−1,400	226	169	†	†	231	589
27	167	43	409	46	133	212	z ±	402	275	476	245	220
28	−125	−926	384	473	226	68	176	154	113	183	150	165
29	406	110	142	413	—	—	—	—	520	377	205	670
30	263	349	189	502	—	—	—	—	183	267	223	586
31	89	612	527	765	—	—	—	—	238	392	329	355
Mean	167	163	307	403	140	77	147	326	229	262	59	366
No. of Days used	23	23	23	23	25	25	25	25	24	24	24	24

Eskdalemuir. **1922.**

Day.	April. Factor 6·46.				May. Factor 6·41.				June. Factor 6·42.			
	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.
1	143	281	233	836	−485	−858	z ±	131	238	151	178	166
2	326	165	154	180	119	228	−37	298	83	113	132	219
3	300	113	195	218	157	123	157	71	144	132	159	276
4	469	229	248	z +	78	z +	254	78	102	113	83	155
5	225	386	34	173	41	−392	†	†	*	*	*	*
6	105	161	563	563	261	z ±	−280	149	117	*	189	§
7	188	255	143	308	205	198	224	380	450	166	223	151
8	334	169	488	210	410	410	153	272	287	223	§	155
9	71	98	154	255	172	123	224	298	113	151	231	§
10	64	229	150	675	455	231	190	298	208	302	163	302
11	z ±	300	150	443	75	194	131	101	110	132	166	159
12	236	150	150	z ±	82	246	198	410	117	§	219	189
13	270	214	218	281	209	172	149	261	15	0	151	121
14	270	−225	−2,400	176	231	−373	104	67	163	121	132	38
15	−56	−788	244	375	82	149	101	67	76	170	113	181
16	34	86	233	135	−187	−821	101	−131	§	§	§	§
17	233	210	176	236	257	z −	179	336	§	§	§	§
18	128	131	184	150	z −	−37	−1,007	119	§	§	§	§
19	109	109	319	311	123	48	157	250	§	§	§	§
20	131	210	135	360	201	112	380	336	§	§	§	§
21	251	413	135	124	z ±	175	160	187	170	121	95	302
22	56	83	z ±	131	250	250	168	269	170	−189	49	−76
23	158	143	120	−300	466	82	250	679	132	189	113	174
24	−169	19	146	101	205	187	228	183	200	136	151	−57
25	45	165	z ±	169	369	410	205	571	125	−208	38	144
26	101	176	94	83	485	231	153	175	87	121	117	227
27	86	180	195	225	220	131	224	325	113	113	−98	−19
28	199	221	z +	161	71	160	160	157	200	151	151	166
29	143	‡	94	‡	97	131	145	261	106	−113	246	257
30	161	75	z ±	154	362	187	216	362	8	z ±	z +	246
31	—	—	—	—	380	216	187	306	—	—	—	—
Mean	150	124	87	258	218	126	174	261	152	91	124	152
No. of Days used	22	22	22	22	24	24	24	24	10	10	10	10

NOTE.—The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the following notation is used: z + Indeterminate, positive value; z − Indeterminate, negative value; z ± Indeterminate in magnitude and sign.

§ Earthed or Defective Insulation. † Light failed. ‡ Tank empty. * Defective record. ¶ Instrument being overhauled.

Mean Values for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

194. Eskdalemuir. **1922.**

Day.	July. Factor 6·28				August. Factor 6·40.				September. Factor 6·41.			
	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.
1	11	239	z —	63	177	90	*	117	219	189	15	39
2	140	136	74	11	136	109	−11	238	139	142	154	127
3	228	114	z —	294	336	143	226	407	146	227	85	320
4	147	−239	202	z —	385	196	139	143	92	158	116	377
5	121	88	110	52	79	113	158	279	139	181	204	254
6	810	z —	103	125	94	113	98	30	212	108	212	142
7	155	0	z ±	202	336	‡	72	‡	173	162	189	108
8	§	§	§	§	83	−49	8	−98	142	181	4	35
9	§	§	§	§	30	113	151	151	85	104	166	139
10	99	147	110	158	177	162	98	226	104	46	123	§
11	195	85	140	294	204	241	185	373	§	§	§	574
12	166	210	−55	368	222	238	230	256	250	316	181	116
13	169	147	147	110	222	79	−528	226	−489	−200	−520	239
14	−66	184	140	221	158	113	230	305	77	−73	158	246
15	210	184	110	140	230	196	75	64	146	208	181	166
16	0	29	74	z +	196	−53	117	234	181	185	35	§
17	144	110	121	*	143	162	z —	185	§	69	100	54
18	173	110	129	228	215	181	155	381	§	§	108	308
19	§	§	§	§	501	336	106	238	54	−15	§	§
20	158	265	114	250	332	136	79	128	§	146	127	112
21	294	147	129	206	132	53	241	113	177	196	270	154
22	158	107	110	445	185	121	117	−648	58	158	343	454
23	180	177	74	162	117	155	181	192	154	108	196	655
24	*	*	37	29	147	189	230	106	89	−31	−12	42
25	140	114	110	302	158	234	185	264	104	85	¶	243
26	88	177	96	210	192	155	226	64	139	−366	150	219
27	184	99	151	224	177	238	151	271	35	*	154	466
28	177	151	110	548	143	362	143	*	273	100	193	*
29	77	z ±	166	199	136	113	121	207	*	*	250	250
30	81	151	147	180	309	189	155	377	112	135	327	277
31	188	−129	z ±	180	222	309	49	234	—	—	—	—
Mean	147	149	108	228	199	153	117	176	108	100	127	216
No. of Days used	18	18	18	18	27	27	27	27	19	19	19	19

Eskdalemuir. **1922.**

Day.	October. Factor 6·74.				November. Factor 6·22.				December. Factor 6·44.			
	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/.m	v/m.	v/m.
1	576	161	137	367	z —	−780	192	189	−212	91	367	276
2	60	−181	109	318	102	127	229	178	121	238	174	352
3	109	282	193	286	109	581	131	265	144	208	374	212
4	258	314	81	137	584	149	211	501	178	219	174	163
5	185	52	137	193	265	102	−1,452	−218	151	87	−650	117
6	105	278	210	234	156	29	62	−1,997	113	185	272	306
7	169	363	177	488	185	247	160	207	242	19	117	287
8	234	173	202	447	287	338	272	240	45	98	212	185
9	202	101	109	290	−599	218	192	294	193	318	662	446
10	383	258	−222	544	200	156	192	z —	200	310	166	132
11	290	322	165	326	123	396	367	287	102	231	246	257
12	−435	129	121	193	298	417	113	240	−76	253	219	68
13	629	512	407	673	182	298	443	261	76	z —	208	−95
14	467	351	431	592	200	392	94	192	−151	−284	431	359
15	451	476	322	778	152	211	312	280	170	442	794	722
16	584	725	480	681	171	145	102	94	510	389	170	−189
17	133	181	222	137	73	182	192	163	−1,796	15	117	446
18	85	185	105	290	83	269	−11	341	1,021	−151	z +	z +
19	0	−100	69	254	116	221	185	319	257	38	246	488
20	16	z —	149	z —	138	229	305	316	45	718	378	268
21	69	133	129	125	87	131	319	229	208	438	45	−223
22	z —	230	40	117	312	178	305	327	257	272	z —	246
23	125	202	330	516	185	65	138	167	z —	98	272	159
24	197	185	153	705	142	599	348	468	163	219	280	102
25	306	282	177	403	167	327	298	z —	−775	z —	57	102
26	403	169	−343	443	65	−791	189	254	76	11	159	57
27	230	197	z ±	z ±	207	203	298	254	106	257	386	z —
28	185	189	463	−343	131	178	185	152	z +	95	204	170
29	0	141	250	282	163	174	182	*	−76	276	665	−741
30	210	−443	177	40	182	211	−799	*	−151	−1,210	185	548
31	625	564	395	141	—	—	—	—	386	370	688	956
Mean	236	232	185	341	150	205	148	153	35	153	270	233
No. of Days used	28	28	28	28	25	25	25	25	24	24	24	24

NOTE.—The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the following notation is used: z + Indeterminate, positive value; z — Indeterminate, negative value; z ± Indeterminate in magnitude and sign.

§ Earthed or Defective Insulation. † Light failed. ‡ Tank empty. * Defective record. ¶ Instrument being overhauled.

POTENTIAL GRADIENT (reduced to level surface): DIURNAL INEQUALITIES (in volts per metre).

The departures from the mean of the day are adjusted for non-cyclic change.

195. Eskdalemuir. * 0*a* Days Only. **1922.**

Month and Season.	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Non-cyclic change 24–0.	No. of Days used.	Mean Values.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.		v/m.
Jan. ...	− 82	−111	**−131**	−109	− 96	− 57	− 26	− 30	− 23	− 51	− 32	+ 8	+ 40	+ 27	+ 66	+101	+113	+128	**+174**	+154	+124	− 21	− 82	− 76	+ 92	9	356
Feb. ...	− 54	− 71	− 36	+ 16	+ 51	+ 31	− 6	+ 52	+ 23	− 36	− 67	− **75**	− 32	− 6	+ 46	+ **73**	+ 34	+ 54	+ 16	+ 11	+ 29	+ 7	− 13	− 59	+ 26	7	328
Mar. ...	− 35	− 10	− 32	− 52	− 31	− 77	− 14	− 14	− 80	−120	−108	− 61	−116	**−127**	−101	−102	− 40	+119	+259	+189	**+271**	+195	+ 56	+ 22	+ 16	4	315
April ...	− 1	− 29	− 38	− 24	− 16	+ 14	+ 31	+ 18	+ 1	− 48	− 48	− **49**	− 42	− 40	− 20	− 22	− 19	− 18	+ 48	+102	**+112**	+ 82	+ 22	− 21	− 25	9	204
May ...	+ 5	+ 32	+ 27	+ 21	+ 16	+ 15	+ 37	− 1	− 33	− 54	− 75	− **89**	− 69	− 34	− 37	− 21	− 2	+ 14	+ 32	+ 48	+ **80**	+ 54	+ 19	0	− 31	11	245
June ...	− 3	− 11	+ 15	+ 27	+ 3	− 20	− 15	− **44**	− 39	− 18	− 7	− 4	− 18	− 14	+ 6	+ 3	+ 18	− 11	− 13	+ 21	+ 27	+ 22	+ **57**	+ 9	− 74	5	173
July ...	+ 30	+ 10	− 4	− 26	− 8	− 1	− 3	− 18	− 37	− 45	− 52	− **56**	− 52	− 40	− 47	− 43	− 32	− 19	+ 2	+ 55	+120	**+123**	+ 97	+ 48	− 18	9	165
Aug. ...	+ 34	+ 1	+ 15	+ 41	+ 2	− 24	− 6	− 15	− 43	− 27	− 43	− 21	− 51	− **58**	− 39	− 53	− 12	+ 15	+ 59	+ 62	+ **76**	+ 56	+ 30	− 2	+ 1	7	216
Sept. ...	+ 7	− 25	− 28	− 30	− **48**	− 8	+ 10	− 15	− 20	− 34	− 30	− 31	− 7	+ 11	+ 23	+ 6	− 3	+ 58	+ **61**	0	+ 19	+ 29	+ 33	+ 12	+ 50	7	182
Oct. ...	+ 19	− 11	− 43	− 71	− 53	− 27	+ 17	+ 36	− 46	− 95	**−130**	−124	−112	−113	− 90	− 37	+ 56	+113	+135	**+162**	+160	+104	+ 66	+ 75	− 78	12	352
Nov. ...	− 19	− 35	− 47	− 59	− **79**	− 66	− 52	− 24	+ 19	+ 6	− 6	− 24	− 1	− 8	+ 7	+ 37	**+103**	+ 92	+ 69	+ 43	+ 25	+ 19	+ 11	− 15	+ 8	15	244
Dec. ...	− 80	− 96	**−115**	−112	−108	− 81	− 62	− 54	− 28	− 21	+ 23	+ 28	+ 16	+ 30	+ 46	+ 68	+ 91	+100	+147	**+158**	+ 61	+ 26	+ 3	− 37	+ 45	8	309
Year ...	− 15	− 30	− 35	− 31	− 31	− 25	− 7	− 9	− 25	− 45	− **48**	− 41	− 37	− 31	− 12	+ 1	+ 26	+ 54	+ 82	+ 83	+ **93**	+ 58	+ 25	− 4	—	—	257
Winter	− 59	− 78	− **82**	− 66	− 58	− 43	− 37	− 14	− 2	− 25	− 21	− 16	+ 6	+ 11	+ 41	+ 70	+ 85	+ 93	+ **101**	+ 90	+ 60	+ 8	− 20	− 47	—	—	309
Equinox	− 3	− 19	− 35	− 44	− 37	− 25	+ 11	+ 6	− 36	− 74	− **79**	− 66	− 69	− 67	− 47	− 39	− 1	+ 68	+126	+113	+ **141**	+103	+ 44	+ 22	—	—	263
Summer	+ 17	+ 8	+ 13	+ 16	+ 3	− 7	+ 3	− 19	− 38	− 36	− 44	− 43	− **47**	− 37	− 29	− 29	− 7	0	+ 20	+ 47	+ **78**	+ 64	+ 51	+ 14	—	—	200

196. Eskdalemuir. * 1*a* and 2*a* Days Only. **1922.**

Month and Season.	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	Non-cyclic change 24–0.	No. of Days used.	Mean Values.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.		v/m.
Jan. ...	− 66	− 46	**−102**	− 7	− 16	− 34	+ 56	− 10	− 4	+ 77	+116	+103	+ 28	+ 13	− 57	− 70	− 15	− 26	− 6	− 49	+ 2	**+117**	+ 41	− 47	− 16	2	182
Feb. ...	+ 12	− 10	− 13	− 46	− 28	− 36	− 7	+ 34	+ 49	+ 51	+ 38	+ 46	− 15	− 47	− 68	+ 35	− 10	− **82**	− 44	− 7	+ 30	+ **89**	+ 2	+ 21	− 88	4	208
Mar. ...	0	+ 57	+ 41	− 14	− 43	− 45	− 3	+ 13	+ 60	+102	+ 28	− 35	− 49	− **65**	− 48	− 3	− 19	+ 17	− 55	+**157**	+ 53	− 37	− 59	− 55	+ 91	3	338
April ...	− 91	−**144**	− 86	− 53	− 55	− 42	− 6	− 8	− 43	− 56	− 19	+ 9	+ 40	+ 69	+ 94	+ 63	+**121**	+ 86	+ 50	+ 22	− 13	+ 13	+ 33	+ 16	+ 38	1	134
May ...	+ 34	− 4	− 18	0	+ 12	+ 9	− 22	− **34**	− 2	− 7	− 14	− 20	− 29	− 8	− 6	+ 1	+ 1	− 6	− 5	+ 13	+ **45**	+ 39	+ 13	+ 18	− 20	8	177
June ...	+ 10	+ 7	+ 6	− 9	− 1	− 18	+ 3	+ 6	+ 19	− 11	+ 2	− 9	− 28	− 15	− **58**	− 7	− 4	− 19	− 23	+ 4	+ 19	+ 33	+ **77**	+ 14	+ 64	4	123
July ...	− 13	− 41	− 71	− 73	− 4	+ 11	+ 18	+ 43	+ 27	− 20	−112	−**178**	− 62	− 28	− 65	+ 47	+ 34	+ 16	+ 57	+ 83	+ 87	+**100**	+ 91	+ 56	− 26	4	150
Aug. ...	+ 53	+ 44	+ **62**	+ 55	+ 40	+ 38	− 27	+ 3	+ 28	− **65**	− 52	− 38	− 27	− 30	− 19	+ 24	− 13	− 11	− 18	− 10	− 26	− 26	+ 2	+ 8	+ 41	8	170
Sept. ...	+ 41	+ 30	− 14	− 24	+ 14	+ 31	+ 55	+ 21	+ 9	− 51	− 73	− 43	−**123**	− 71	− 6	− 17	− 19	− 27	+ 16	+ 33	+ 38	+ 57	+ 58	+ **74**	− 52	7	150
Oct. ...	+ 40	+ 36	− 23	− 41	− 63	− 37	+ 4	+ 75	+ 43	+ 3	− 46	− 66	− 67	− **88**	− 62	− 52	+ 38	+ 34	+121	+**129**	+ 32	+ 5	− 24	+ 13	+145	4	221
Nov. ...	− 80	−143	− 91	− 64	+ 29	+ 53	+ 73	+ 42	−**156**	+ 49	−127	− 49	− 7	− 20	− 29	+ 2	+ 69	+ 52	+ 19	+ 82	+ 55	+**115**	+113	+ 20	−218	1	194
Dec. ...	−**108**	− 37	− 56	− 21	− 28	− 30	− 43	− 66	− 67	− 14	− 3	+ 32	+ 27	+ 64	+ 57	+ 86	+**123**	+ 68	+ 50	+ 93	− 12	− 21	− 35	− 55	+ 22	2	125
Year ...	− 14	− 21	− **30**	− 25	− 12	− 8	+ 8	+ 10	− 3	+ 5	− 22	− 21	− 26	− 19	− 22	+ 9	+ 25	+ 9	+ 13	+ **46**	+ 26	+ 40	+ 26	+ 7	—	—	181
Winter	− 61	− 59	− **65**	− 35	− 11	− 12	+ 20	0	− 45	+ 41	+ 6	+ 33	+ 8	+ 3	− 24	+ 13	+ 42	+ 3	+ 5	+ 30	+ 19	+ **75**	+ 30	− 15	—	—	177
Equinox	− 3	− 5	− 21	− 33	− 37	− 23	+ 13	+ 25	+ 17	− 1	− 27	− 34	− **50**	− 39	− 5	− 2	+ 30	+ 27	+ 33	+ **85**	+ 27	+ 9	+ 2	+ 12	−	—	211
Summer	+ 21	+ 1	− 5	− 7	+ 12	+ 10	− 7	+ 5	+ 18	− 26	− 44	− **61**	− 37	− 20	− 37	+ 16	+ 5	− 5	+ 3	+ 23	+ 31	+ 37	+ **46**	+ 24	−	—	155

* Note.—For explanation of 0*a*, 1*a* and 2*a* Days, *see* page 76.

ELECTRIC CHARACTER OF EACH DAY.

196A. Eskdalemuir. **1922.**

Day.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	*	1*b*	1*b*	0*a*	2*c*	0*a*	2*c*	1*a*	1*a*	0*a*	2*c*	1*b*
2	1*b*	2*b*	1*b*	0*a*	1*b*	0*a*	2*b*	1*b*	1*a*	1*b*	1*b*	0*a*
3	0*a*	2*b*	1*b*	1*b*	1*b*	1*a*	1*b*	0*a*	1*a*	1*a*	1*b*	0*a*
4	1*b*	1*a*	2*b*	1*b*	2*c*	1*b*	2*c*	1*a*	0*a*	1*a*	0*a*	0*a*
5	0*a*	0*a*	2*c*	1*b*	*	*	1*b*	0*a*	1*a*	1*b*	2*b*	1*b*
6	0*a*	1*a*	2*c*	1*c*	2*c*	0*a*	2*c*	1*a*	0*a*	0*a*	2*c*	0*a*
7	1*b*	0*a*	2*b*	0*a*	1*a*	0*a*	2*c*	0*a*	0*a*	0*a*	1*b*	1*b*
8	2*c*	2*a*	1*b*	1*b*	0*a*	0*a*	2*b*	2*b*	0*a*	0*a*	1*b*	1*a*
9	2*c*	0*a*	1*b*	0*a*	0*a*	1*a*	1*a*	1*a*	0*a*	0*a*	1*b*	0*a*
10	2*c*	0*a*	1*a*	1*b*	0*a*	1*b*	0*a*	0*a*	*	1*b*	2*c*	0*a*
11	2*c*	0*a*	1*a*	1*b*	1*a*	0*a*	0*a*	0*a*	*	1*b*	0*a*	0*a*
12	0*a*	0*a*	0*a*	2*c*	1*a*	0*a*	1*a*	1*a*	1*a*	2*b*	0*a*	1*b*
13	1*b*	1*a*	1*a*	1*b*	0*a*	2*b*	1*a*	1*b*	2*b*	0*a*	0*a*	2*b*
14	0*a*	1*b*	0*a*	2*c*	1*b*	1*b*	1*a*	0*a*	1*b*	0*a*	0*a*	2*b*
15	2*c*	1*b*	1*a*	2*c*	1*a*	1*a*	0*a*	1*b*	0*a*	0*a*	0*a*	0*a*
16	1*a*	1*b*	0*a*	1*a*	2*c*	*	2*b*	2*b*	*	0*a*	0*a*	2*b*
17	0*a*	1*b*	0*a*	0*a*	2*b*	*	1*a*	2*c*	2*c*	0*a*	0*a*	2*b*
18	1*b*	0*a*	0*a*	0*a*	2*c*	*	0*a*	0*a*	*	1*a*	1*b*	2*c*
19	2*c*	2*c*	1*b*	0*a*	1*a*	*	0*a*	1*a*	1*b*	2*b*	0*a*	2*c*
20	0*a*	1*c*	1*b*	0*a*	0*a*	*	2*b*	0*a*	*	2*c*	0*a*	1*b*
21	2*c*	2*c*	1*c*	0*a*	2*b*	2*b*	1*a*	1*a*	0*a*	1*b*	0*a*	2*c*
22	0*a*	1*c*	1*b*	1*b*	0*a*	2*b*	0*a*	2*b*	0*a*	1*b*	0*a*	2*c*
23	0*a*	2*c*	0*a*	1*b*	1*b*	1*b*	0*a*	0*a*	0*a*	1*a*	1*a*	2*b*
24	1*a*	1*b*	2*b*	1*b*	1*a*	1*b*	2*b*	1*a*	1*a*	0*a*	0*a*	1*b*
25	1*b*	1*b*	*	1*b*	0*a*	1*b*	0*a*	0*a*	0*a*	0*a*	1*b*	2*c*
26	1*b*	2*c*	*	1*b*	1*a*	1*a*	2*a*	1*b*	1*b*	2*b*	1*b*	1*a*
27	1*b*	1*c*	1*b*	2*c*	0*a*	1*a*	0*a*	1*b*	1*b*	2*c*	0*a*	1*b*
28	2*b*	1*b*	1*b*	1*b*	1*a*	0*a*	0*a*	0*a*	*	2*c*	0*a*	1*b*
29	2*c*	—	0*a*	1*a*	0*a*	1*b*	2*c*	1*b*	*	1*b*	1*b*	2*b*
30	1*b*	—	1*b*	1*b*	0*a*	2*c*	1*b*	0*a*	1*a*	2*b*	2*c*	2*c*
31	1*b*	—	0*b*	—	0*a*	—	2*c*	1*a*	—	1*b*	—	0*a*
Mean	1·00	1·00	0·90	0·83	0·87	0·83	1·06	0·74	0·65	0·84	0·67	1·10
No. of days used..	30	28	29	30	30	24	31	31	23	31	30	31

* Defective Record.

Explanatory Note.—The electric character of the day is indicated by the figures 0, 1, or 2 according to the character of the trace of the electrograph as regards negative potential gradient. The explanation of these symbols is as follows :—

0, denotes a day during which from midnight to midnight no negative potential was recorded.

1, denotes one or more excursions of limited duration to the negative side of the scale.

2, denotes negative potential extending in the aggregate over 3 hours or more.

" *a*," denotes that within the 25 periods of 60 minutes for which an estimate of the mean potential gradient has to be made in the process of tabulation there was in no case a range of potential gradient in the open exceeding 1000 volts.

" *b*," denotes that a range of potential gradient in the open exceeding 1000 volts was reached in at least one but in fewer than six of the 25 hourly periods referred to above.

" *c*," denotes that a range of 1000 volts or more occurred in at least six of the 25 hourly periods.

TERRESTRIAL MAGNETIC FORCE: NORTH COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

197. Eskdalemuir. (X.) **January, 1922.**

15,000 γ (·15 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1000	1000	1000	1000	1000	1001	1004	1009	1006	1005	1003	996	988	991	993	996	1000	993	1000	1000	997	999	1000	1005	1003	1000
2	1002	999	999	1000	1003	1004	1004	1005	1005	1004	1000	997	994	991	995	995	999	1005	1004	999	1004	1000	1003	995	996	1000
3 Q	996	998	999	1001	1000	1000	1006	1009	1009	1006	1003	999	996	999	996	996	1000	999	998	995	996	1000	1000	1000	1001	1000
4 Q	1000	1007	1003	998	999	1003	1008	1008	1005	1003	1002	1002	1003	1004	1008	1009	1012	1012	1013	1008	1004	1002	998	998	996	**1004**
5	996	998	998	999	1000	1002	1008	1006	1004	1008	1003	998	985	995	1003	1006	1004	1008	1002	996	998	999	1002	1001	999	1001
6	998	1007	1002	1002	1005	1003	1003	1007	1006	998	994	992	992	999	1007	1005	1010	1007	1005	989	988	999	1002	1002	1012	1001
7	1012	1012	989	1011	1036	1020	1005	1007	999	973	982	989	988	962	992	993	997	995	996	997	996	997	997	993	994	997
8 D	993	993	996	992	992	1002	1003	1006	1006	1002	993	994	993	996	998	995	987	974	982	976	987	976	973	977	948	990
9 D	948	981	997	994	982	959	979	998	995	989	957	973	976	972	977	981	986	1001	992	1016	996	992	1011	992	986	986
10	985	995	990	982	991	995	995	1001	1000	982	957	976	981	982	991	991	981	990	998	1000	995	1005	1016	1001	990	991
11	990	995	998	991	991	986	996	1000	987	996	986	976	975	975	987	996	999	1002	1000	999	1007	1000	1004	995	996	993
12	995	995	1003	994	994	999	1000	1000	998	994	986	984	991	991	993	991	975	983	994	994	994	999	997	999	997	994
13	997	1016	994	994	995	996	999	997	996	996	995	995	999	994	993	986	994	994	994	990	994	999	1001	1004	1003	996
14	1002	999	998	999	999	1003	1004	1003	999	998	993	993	985	990	988	993	994	999	999	1007	994	999	998	998	998	997
15 Q	998	999	999	999	998	1003	1004	1008	1003	998	993	989	985	988	993	999	1001	1003	1002	1001	1002	1002	1001	1002	1004	999
16	1003	1004	1003	1005	1007	1007	1012	1012	1015	1022	1013	1001	998	998	987	1002	1004	970	991	988	1007	978	977	997	1004	1000
17	1003	996	992	981	982	993	999	1000	988	987	977	980	982	981	987	982	976	983	995	991	991	988	995	998	991	988
18	991	991	991	976	992	995	995	996	996	991	994	988	986	989	986	981	991	995	988	991	972	977	1006	986	987	986
19	987	986	987	988	995	991	996	993	994	996	993	992	991	992	996	996	995	995	995	990	1015	972	991	995	988	993
20	987	990	990	990	990	994	992	994	1000	1000	994	995	995	989	983	979	976	993	991	995	995	992	1004	995	993	992
21 Q	993	990	990	990	991	995	995	992	990	990	990	986	985	990	997	1000	998	1000	1000	1000	1000	999	1000	998	995	994
22 Q	995	995	995	995	999	1001	1000	999	996	989	983	979	975	990	995	995	995	996	1000	1000	1001	1001	1001	1000	998	995
23	997	995	995	994	989	998	998	997	995	990	984	985	989	995	1000	999	998	999	1000	998	991	988	985	985	987	993
24 D	987	990	985	987	999	990	999	1019	1021	1023	1006	1014	995	984	984	990	950	974	940	970	974	977	976	1038	991	991
25 D	991	970	979	979	972	995	975	951	989	975	948	951	981	984	986	989	970	949	1004	976	980	986	985	985	998	**977**
26	997	1013	994	984	974	979	993	995	988	959	964	975	969	985	988	988	986	989	980	993	990	988	987	993	1010	986
27	1010	991	993	995	999	996	998	1000	993	993	986	987	986	988	988	993	994	993	998	996	994	989	1000	994	989	994
28	989	989	992	993	998	998	998	994	994	993	988	991	993	989	995	994	997	995	997	997	993	998	995	1012	997	995
29	996	992	990	993	1003	1002	1007	1007	998	998	996	992	992	989	990	987	993	992	1001	1002	1002	997	997	997	997	996
30	997	997	998	1001	1002	1002	1003	1005	1007	1008	1007	1002	1002	1002	1007	1003	1003	1002	998	1002	1007	1001	997	996	998	1002
31 D	998	988	993	993	995	1003	1007	1011	1012	1007	1003	992	987	998	975	960	959	977	963	983	982	987	983	992	992	989
Mean†	996	996	994	994	996	998	1000	**1001**	1000	996	990	990	**989**	990	993	993	991	993	995	995	995	994	996	998	997	995

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

198. Eskdalemuir. (—Y.) **January, 1922.**

4,000 γ (·04 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	734	732	734	730	734	735	738	740	740	737	740	741	741	745	746	745	741	734	737	739	735	735	730	730	732	737
2	732	735	735	738	740	740	740	740	740	736	734	736	738	741	746	745	742	746	746	741	719	729	713	710	730	730
3 Q	730	735	735	738	739	745	745	742	740	736	735	735	740	745	751	744	740	743	740	740	735	735	734	732	730	739
4 Q	730	727	725	736	737	740	740	740	738	736	741	745	746	751	751	748	747	746	747	751	747	740	732	727	729	740
5	729	726	728	730	736	741	745	740	738	737	740	746	747	751	750	745	741	745	747	747	742	740	735	732	735	740
6	735	738	733	735	734	740	746	740	740	739	741	750	751	756	753	755	754	767	766	755	733	734	733	727	727	**744**
7	727	720	697	737	718	736	746	746	750	755	746	742	752	751	751	745	742	740	739	740	735	731	731	734	735	738
8 D	735	735	735	742	742	740	739	740	742	740	734	737	746	757	758	754	752	743	757	735	691	698	686	717	730	736
9 D	730	741	703	726	728	740	777	751	741	739	740	740	756	750	737	741	735	724	718	709	730	724	709	730	734	734
10	734	734	725	746	740	746	761	749	746	747	746	738	740	742	741	739	730	725	731	725	730	715	714	719	734	736
11	735	741	738	729	738	746	761	753	742	741	748	739	755	734	741	738	730	731	736	736	728	735	732	737	736	739
12	736	742	753	736	732	737	738	737	741	736	736	738	747	747	746	740	731	736	726	726	736	735	734	736	731	737
13	731	731	730	737	741	739	740	736	733	733	737	741	742	743	742	735	740	741	744	740	737	731	733	735	740	737
14	740	741	741	740	741	741	741	741	735	735	736	741	741	748	747	744	742	741	737	725	733	731	732	733	734	739
15 Q	734	736	741	742	744	741	741	736	732	730	730	731	741	746	746	741	740	737	736	736	735	735	735	731	727	737
16	727	740	741	742	743	745	741	746	742	736	746	747	752	762	763	748	768	748	757	742	719	699	693	667	698	738
17	698	694	688	709	720	736	742	742	746	739	727	731	737	741	747	752	754	752	740	731	731	735	733	735	731	**732**
18	731	727	721	736	736	732	736	736	736	735	735	742	742	752	751	746	746	742	746	709	704	732	699	725	731	733
19	731	732	726	731	720	736	735	736	735	735	735	738	746	748	745	746	744	745	740	746	686	714	730	732	731	734
20	732	737	731	731	732	727	733	732	736	742	738	748	758	750	753	745	717	733	743	736	732	736	731	735	737	737
21 Q	737	732	733	732	735	736	736	736	733	736	741	742	745	753	753	746	743	742	741	736	730	735	720	738	733	738
22 Q	733	733	733	736	735	733	736	735	732	732	733	742	747	752	749	743	743	742	738	737	739	739	739	739	733	738
23	733	731	726	726	731	733	734	733	732	731	736	744	757	758	752	743	742	744	748	748	752	745	740	731	715	739
24 D	715	710	706	695	687	711	726	737	753	749	745	761	759	770	780	780	796	663	738	737	731	732	726	727	727	735
25 D	727	691	689	705	726	731	748	784	750	763	747	749	739	747	743	741	728	709	703	720	730	732	727	727	721	**732**
26	721	718	705	716	736	737	739	742	742	745	754	757	753	753	749	740	736	732	733	736	732	716	717	732	717	730
27	747	717	725	721	726	737	739	736	733	735	740	741	748	752	745	740	737	733	736	736	733	732	718	728	728	734
28	728	733	736	737	737	739	737	737	733	732	737	740	746	745	745	742	736	736	733	733	732	731	727	714	721	735
29	724	727	730	737	737	737	740	740	736	736	737	742	743	744	742	737	736	732	718	731	732	730	736	734	733	735
30	732	737	737	738	737	737	737	737	737	737	742	745	749	751	748	742	742	741	740	732	730	734	732	722	720	738
31 D	720	715	717	720	735	732	729	728	735	742	752	757	774	776	757	784	775	775	763	745	734	731	702	711	691	741
Mean†	730	728	**728**	731	733	737	740	741	739	739	740	743	747	**750**	749	746	744	738	740	736	731	731	**726**	727	728	737

† Mean for 29 days, 8th and 9th omitted.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

199. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit) + **January, 1922.**

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1045	1043	1042	1041	1038	1038	1038	1040	1037	1037	1037	1040	1040	1041	1044	1045	1045	1047	1045	1045	1045	1045	1045	1042	1038	1042
2	1038	1038	1040	1040	1040	1040	1039	1038	1037	1037	1038	1037	1037	1040	1044	1045	1045	1042	1041	1044	1049	1045	1046	1046	1043	1041
3 Q	1043	1041	1041	1041	1040	1037	1036	1037	1037	1037	1037	1037	1037	1037	1037	1040	1041	1041	1041	1042	1042	1041	1041	1040	1038	1039
4 Q	1038	1036	1033	1033	1036	1036	1036	1036	1036	1034	1033	1036	1033	1029	1032	1036	1036	1036	1036	1036	1037	1040	1044	1045	1042	1036
5	1043	1041	1040	1038	1036	1035	1034	1035	1034	1034	1034	1034	1035	1035	1037	1038	1038	1038	1040	1042	1042	1043	1045	1043	1041	1038
6	1041	1034	1034	1034	1034	1034	1033	1033	1033	1034	1032	1031	1030	1032	1034	1035	1037	1037	1038	1047	1058	1050	1043	1041	1037	1037
7	1038	1031	1015	986	986	992	1007	1020	1006	1010	1030	1031	1030	1031	1034	1036	1039	1039	1040	1042	1040	1039	1039	1038	1036	**1025**
8 D	1036	1035	1035	1034	1031	1031	1031	1031	1031	1033	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	‡
9 D	—	—	—	—	—	—	—	—	—	‡	1038	1042	1043	1047	1053	1051	1051	1051	1050	1044	1040	1043	1036	1035	1031	‡
10	1032	1019	1015	1008	1017	1020	1019	1024	1028	1028	1035	1039	1042	1041	1047	1050	1052	1052	1046	1043	1041	1043	1036	1032	1028	1034
11	1028	1024	1021	1024	1028	1028	1022	1027	1031	1032	1031	1036	1040	1048	1046	1047	1048	1045	1040	1040	1040	1036	1036	1037	1037	1035
12	1038	1037	1029	1031	1033	1033	1033	1034	1035	1034	1036	1037	1035	1036	1038	1042	1046	1045	1044	1044	1041	1040	1040	1039	1038	1038
13	1038	1030	1033	1033	1033	1033	1033	1033	1033	1033	1033	1037	1039	1037	1040	1045	1041	1041	1040	1041	1041	1041	1040	1037	1036	1037
14	1037	1038	1038	1037	1036	1034	1033	1033	1034	1034	1035	1035	1037	1037	1042	1042	1041	1040	1038	1039	1037	1038	1038	1038	1037	1037
15 Q	1038	1038	1037	1035	1035	1035	1035	1035	1035	1035	1035	1034	1030	1031	1038	1039	1038	1035	1035	1035	1034	1035	1035	1035	1035	1035
16	1035	1031	1031	1031	1031	1031	1031	1030	1027	1026	1023	1024	1027	1031	1038	1040	1040	1050	1047	1057	1054	1058	1058	1059	1038	1038
17	1030	1011	1019	1023	1027	1025	1023	1024	1028	1032	1035	1036	1036	1039	1040	1045	1050	1049	1049	1052	1049	1047	1041	1036	1019	1035
18	1019	1026	1032	1034	1032	1035	1036	1036	1035	1035	1035	1032	1032	1032	1037	1040	1041	1041	1044	1053	1057	1057	1053	1048	1044	1039
19	1045	1044	1044	1042	1040	1038	1037	1037	1037	1037	1036	1033	1036	1036	1037	1040	1041	1041	1045	1048	1053	1050	1047	1045	1044	1041
20	1045	1034	1038	1041	1041	1041	1041	1038	1037	1034	1034	1033	1032	1037	1042	1046	1053	1051	1046	1046	1046	1045	1043	1038	1038	1042
21 Q	1039	1039	1039	1040	1040	1040	1041	1042	1039	1036	1035	1035	1034	1035	1036	1039	1039	1039	1039	1040	1041	1042	1043	1041	1038	1039
22 Q	1030	1040	1040	1040	1040	1040	1040	1040	1040	1040	1039	1037	1040	1041	1043	1043	1042	1040	1040	1040	1040	1040	1040	1040	1040	1040
23	1041	1041	1041	1041	1041	1037	1040	1040	1041	1041	1041	1040	1037	1041	1044	1044	1041	1041	1041	1041	1044	1046	1053	1055	1057	1043
24 D	1058	1053	1051	1047	1042	1041	1036	1027	1023	1021	1021	1017	1020	1033	1038	1047	1099	1191	1131	1095	1069	1058	1053	1008	1010	**1052**
25 D	1011	1014	991	1010	1023	1027	1027	1019	1027	1035	1048	1053	1056	1054	1053	1055	1063	1084	1067	1061	1051	1050	1048	1047	1040	1041
26	1041	1031	1024	1025	1028	1035	1038	1039	1041	1044	1038	1044	1047	1049	1052	1052	1051	1047	1044	1043	1043	1047	1047	1043	1020	1041
27	1021	1032	1032	1033	1032	1032	1032	1032	1036	1037	1039	1039	1038	1041	1044	1044	1043	1044	1041	1041	1041	1051	1041	1040	1040	1038
28	1041	1041	1041	1041	1038	1038	1038	1038	1039	1040	1042	1041	1038	1038	1042	1042	1042	1041	1041	1038	1038	1039	1041	1037	1033	1040
29	1034	1035	1038	1036	1034	1034	1032	1031	1031	1031	1031	1034	1034	1035	1039	1041	1042	1041	1042	1039	1035	1035	1034	1034	1034	1036
30	1035	1036	1036	1035	1035	1035	1035	1033	1031	1028	1028	1030	1032	1035	1035	1039	1039	1039	1039	1040	1036	1036	1039	1040	1035	1035
31 D	1036	1041	1042	1041	1041	1037	1034	1030	1024	1020	1020	1024	1027	1033	1060	1102	1106	1095	1094	1076	1067	1057	1060	1054	1035	1051
Mean †	1037	1034	1033	**1032**	1033	1033	1033	1033	1033	1033	1034	1035	1036	1037	1041	1045	1048	**1051**	1047	1047	1045	1044	1044	1041	1036	1039

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

200. Eskdalemuir. **January, 1922.**

Day.	Terrestrial Magnetic Force. North Component. Maximum. 15000 γ +		Minimum. 15000 γ +		Range.	West Component. Maximum. 4000 γ +		Minimum. 4000 γ +		Range.	Vertical Component. Maximum. 44000 γ +		Minimum. 44000 γ +		Range.	Character Figures.* ΣR_z	ρ	Magnetic Character of Day (c–2).	Temperature in Magnet House 200 +
	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	$100\gamma^2$			a.
1	6 0	1010	12 0	981	29	14 14	750	2 55	724	26	17 20	1048	10 1	1037	11	16	0·08	0	85·1
2	20 0	1013	13 5	990	23	18 28	750	19 51	703	47	20 0	1049	13 0	1036	13	29	0·15	0	85·1
3	6 21	1010	1 1	990	**20**	13 47	752	·0 1	730	**22**	19 50	1044	6 15	1035	9	10	0·05	0	85·1
4	1 24	1023	23 58	993	30	13 35	756	1 40	719	37	22 20	1045	13 0	1029	16	25	0·13	0	85·0
5	17 21	1013	12 20	982	31	13 32	753	2 30	722	31	21 39	1046	10 35	1033	13	21	0·11	0	84·9
6	16 4	1015	19 17	973	42	16 59	772	22 53	720	52	19 50	1062	11 30	1030	32	55	0·29	1	84·8
7	3 22	1046	9 16	952	94	2 43	772	1 58	681	91	18 30	1042	3 16	982	60	207	1·07	1	84·8
8	20 31	**1124**	22 15	917	207	18 30	767	22 27	611	156	‡	‡	‡	‡	‡	‡772	4·00	2	84·7
9	20 42	1051	1 19	933	118	0 35	807	18 18	666	141	16 34	1056	24 0	1031	25	344	1·78	1	84·7
10	21 31	1064	10 27	951	113	6 25	772	21 21	682	90	16 50	1056	2 48	1008	48	232	1·20	1	84·7
11	20 19	1025	10 55	953	72	5 50	768	16 48	715	53	13 23	1050	2 0	1019	31	90	0·46	1	84·7
12	1 45	1012	10 36	970	42	1 43	767	17 43	715	52	16 12	1048	2 1	1028	20	49	0·25	0	84·7
13	1 8	1024	14 42	979	45	12 31	748	1 30	720	28	14 55	1046	6 15	1029	17	31	0·16	0	84·7
14	19 1	1013	13 50	983	30	13 20	751	18 51	715	36	14 28	1045	6 40	1033	12	23	0·12	0	84·7
15	23 46	1013	12 20	984	29	13 6	747	23 55	721	26	15 0	1039	12 0	1029	10	16	0·08	0	84·6
16	19 32	1042	23 57	943	99	16 9	778	23 21	639	139	19 21	1069	10 0	1022	47	313	1·62	2	84·6
17	0 12	1101	1 20	938	163	14 48	762	0 40	671	91	18 29	1052	1 1	1004	48	372	1·93	1	84·6
18	21 53	1041	18 35	957	84	13 10	756	21 48	681	75	21 10	1061	10 3	1016	45	147	0·76	1	84·6
19	19 56	1051	20 51	957	94	13 6	754	19 43	656	98	19 42	1061	11 17	1033	28	192	0·99	1	84·6
20	22 18	1034	15 40	961	73	12 8	763	16 9	705	58	16 22	1058	1 0	1031	27	94	0·49	0	84·6
21	23 18	1018	12 4	983	35	12 50	754	22 6	721	33	21 40	1043	12 20	1034	9	24	0·12	0	84·6
22	21 0	1004	11 30	972	32	12 50	753	8 30	731	**22**	15 20	1044	11 14	1036	**8**	16	0·08	0	84·6
23	17 43	1003	10 9	982	21	12 45	759	23 39	705	54	23 50	1058	4 55	1037	21	38	0·19	0	84·6
24	23 2	1072	17 28	915	157	15 59	**818**	16 59	**593**	**225**	16 37	**1239**	23 7	1003	**236**	1310	6·79	2	84·5
25	17 32	1121	**887**	6 35	**234**	6 46 6 56	796	17 30	652	144	17 26	1095	**979**	1 59	116	889	4·61	2	84·5
26	23 38	1038	9 48	948	90	23 21	775	1 41	688	87	14 0	1052	1019	23 50	33	168	0·87	1	84·5
27	21 58	1013	12 10	979	34	13 0	755	0 40	710	45	15 11	1045	1021	0 1	24	38	0·19	0	84·4
28	22 51	1024	10 35	984	40	12 29	752	22 43	700	52	14 38	1045	1033	23 58	12	44	0·23	0	84·3
29	6 22	1012	17 15	984	28	11 55	748	18 15	712	36	18 12	1043	1030	8 42	13	22	0·12	0	84·1
30	23 39	1027	18 38	987	40	12 36	759	18 40	717	42	18 44	1043	1027	9 46	16	36	0·19	0	84·1
31	23 42	1027	15 30	923	104	15 9	807	23 22	684	123	15 23	1118	1019	10 21	99	357	1·85	1	84·0
Mean	—	1035	—	962	73	—	765	—	694	71	—	1060	—	1023	37	193	—	0·58	84·6
No. of Days used.	—	31	—	31	31	—	31	—	31	31	—	30	—	30	30	31	—	31	31

* For explanation *see* page 83. † Mean for 29 days, 8th and 9th omitted.

‡ Light failed. In order to complete Table 265 a value of $R_v = 100\gamma$ has been assumed for 8th January.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

TERRESTRIAL MAGNETIC FORCE: NORTH COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

201. Eskdalemuir. (X.) **February, 1922.**

15,000 γ (·15 C.G.S. unit) +

Hour G.M.T.	0	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	992	973	987	980	979	987	983	981	978	979	978	978	980	988	993	996	996	995	990	994	989	982	983	998	986	986
2	986	981	983	997	995	1002	1004	1003	1003	999	992	986	982	984	989	992	994	999	1002	1003	1003	998	997	997	997	995
3 D	997	997	997	997	998	1003	1006	1003	1003	1008	1018	1007	998	996	999	1017	997	988	993	984	993	997	993	988	978	999
4	978	978	974	997	993	981	998	1000	976	1000	994	978	980	987	987	994	995	991	988	989	999	996	993	1036	1007	992
5	1006	992	996	997	1002	998	999	1001	998	996	990	987	987	992	986	982	997	999	1002	999	999	997	990	1022	997	996
6	997	994	996	998	996	997	1007	1001	1002	987	987	977	992	990	975	998	996	997	1002	1012	997	998	999	997	997	996
7 Q	997	1000	1002	998	1001	1000	1000	1002	1000	992	992	989	986	988	995	1001	995	998	998	997	1001	1002	1002	1002	1002	998
8	1002	1001	1002	1004	1006	1006	1008	1006	1006	1007	1002	996	990	1002	997	971	978	974	988	992	1006	992	1006	992	992	997
9 D	992	986	988	1001	986	994	1009	997	997	986	977	967	963	958	969	983	987	973	982	991	972	996	973	982	982	984
10	982	977	972	978	990	996	992	991	993	993	989	977	983	986	987	986	989	992	996	991	996	994	995	994	993	989
11 Q	993	994	995	997	997	1001	1002	1003	1006	1002	996	992	981	981	991	996	992	994	996	1001	1003	1007	1013	1010	1003	998
12 D	1003	1025	1002	996	1000	1006	1006	995	1000	1006	1007	995	987	972	992	998	998	996	997	997	978	985	982	981	987	996
13	987	988	1002	992	1002	991	992	997	992	997	994	975	983	989	982	994	992	991	996	987	996	999	987	997	996	992
14	996	992	995	988	992	996	996	1001	999	1006	1006	1002	998	1001	999	995	992	997	1006	1006	996	993	983	1002	1000	997
15 D	1000	996	997	987	977	992	1007	956	977	976	934	973	982	979	983	981	977	986	987	991	988	991	997	1002	991	984
16 D	991	991	990	992	986	997	994	937	928	943	943	948	952	972	975	968	957	997	982	983	1019	972	987	992	993	**975**
17	993	985	982	987	997	998	992	981	984	993	997	992	976	973	982	987	983	981	976	977	982	986	978	981	1012	986
18	1012	992	986	991	987	983	988	994	995	999	1001	995	991	987	983	986	987	989	992	997	1002	995	983	985	993	991
19	992	1001	995	994	992	1001	1001	1000	996	996	996	992	992	992	991	987	984	989	1000	1001	1006	1008	1008	1006	1004	997
20	1004	1004	1000	1007	1009	1005	997	1010	1007	990	986	1001	1001	997	996	1001	1001	998	1001	1005	1002	1005	1002	1001	1020	1002
21	1020	1005	994	1001	1007	1006	987	1006	1009	995	998	992	981	985	992	997	998	1003	1005	1002	1001	1025	1023	1005	997	1001
22	997	990	996	1002	992	996	1000	1004	1001	1000	995	992	992	993	997	1000	997	997	999	1000	1000	1001	1002	1003	1001	998
23 Q	1001	1001	1001	1001	1002	1005	1007	1006	1007	1005	1001	997	993	994	990	991	995	996	1001	1002	1001	1005	1007	1006	1005	1001
24 Q	1005	1005	1005	1004	1006	1013	1010	1006	1006	1005	993	991	986	986	997	1000	1001	997	1001	1002	1005	1005	1004	1002	1003	1001
25 Q	1003	1004	1001	1001	1003	1005	1002	1001	1005	1009	1006	1003	1003	1005	1003	1000	999	1000	1001	1005	1005	1010	1010	1010	1010	**1004**
26	1010	1010	1011	1012	1009	1010	1009	1001	1011	1011	992	1001	1001	1001	994	1001	1001	990	990	981	981	992	1027	1010	1000	1002
27	1000	1001	1006	1014	1001	1006	1001	991	1005	998	971	951	976	993	995	996	996	981	997	991	1001	997	1007	1001	997	995
28	996	997	999	999	999	999	998	999	995	994	985	987	975	975	995	1004	1004	1003	1005	1009	1014	1006	1015	1005	1008	998
Mean	998	995	995	997	997	999	**1000**	995	996	995	990	986	**985**	987	990	993	992	993	995	996	998	998	998	**1000**	998	995

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

202. Eskdalemuir. (—Y.) **February, 1922.**

4,000 γ (·04 C.G.S. unit) +

Hour. G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	691	685	711	717	726	722	726	731	732	736	744	748	752	750	747	734	733	737	736	737	740	736	743	713	721	731
2	721	736	719	720	701	715	731	737	743	752	753	752	749	758	748	737	725	733	732	732	733	733	732	731	732	735
3 D	731	731	732	735	736	736	735	736	736	742	755	757	755	755	757	763	758	726	741	721	694	686	702	710	719	734
4	719	725	756	719	715	735	743	743	735	737	739	744	736	741	742	741	738	722	712	715	725	726	715	712	717	731
5	717	730	732	736	736	742	742	735	731	735	739	742	746	747	747	746	746	749	747	747	741	736	719	718	719	738
6	719	735	735	736	754	751	748	731	733	728	736	736	744	748	738	728	737	740	725	709	731	721	719	730	735	734
7 Q	735	750	731	731	735	735	735	736	736	733	738	741	742	742	747	743	736	735	730	735	736	736	736	736	735	737
8	735	734	735	740	731	730	731	731	735	735	746	746	745	743	747	722	736	751	752	736	698	709	732	719	720	734
9 D	720	735	741	720	742	747	743	746	748	746	746	757	758	751	753	741	743	704	725	732	706	662	689	692	715	731
10	715	729	736	742	725	725	731	731	730	732	738	740	744	741	737	730	726	731	731	731	732	731	721	726	731	732
11 Q	731	735	735	735	735	735	735	735	736	733	732	746	751	747	742	742	736	735	731	731	736	730	738	735	727	737
12 D	727	722	693	725	730	732	731	731	741	732	738	736	757	742	742	741	740	734	736	748	655	690	694	692	726	**725**
13	726	730	735	716	702	710	730	731	741	754	752	740	746	747	737	741	739	736	736	733	714	708	719	726	719	731
14	719	726	731	734	730	726	731	732	738	746	744	746	747	748	750	751	748	748	749	751	673	705	709	726	725	734
15 D	725	735	711	722	714	696	770	791	725	734	736	735	734	735	735	730	726	726	731	719	730	726	726	729	721	730
16 D	721	725	725	727	735	745	754	788	759	763	757	757	751	733	742	730	710	683	715	668	666	710	721	716	714	731
17	714	726	725	725	722	725	730	739	757	757	752	752	744	741	742	748	708	726	742	747	731	706	709	711	726	734
18	726	704	690	699	704	717	725	731	732	736	741	741	741	741	737	737	736	736	740	741	727	721	709	724	731	727
19	731	726	720	712	706	703	709	719	730	733	740	742	747	747	748	751	751	748	752	748	744	742	740	732	731	734
20	731	731	727	736	724	731	737	738	739	741	746	744	751	754	746	741	735	732	735	735	735	733	726	723	730	736
21	736	726	731	728	720	714	735	750	743	735	740	743	738	740	745	743	740	736	736	735	700	700	709	710	727	730
22	727	748	736	725	715	729	731	732	731	731	740	743	752	751	747	737	731	731	731	731	731	732	728	722	731	734
23 Q	731	730	740	731	730	730	731	732	733	733	740	747	751	751	746	740	733	731	731	731	730	733	735	734	733	736
24 Q	733	735	735	735	736	720	724	729	740	736	742	747	747	754	752	747	739	732	733	730	730	734	731	731	730	737
25 Q	730	730	731	731	732	732	727	730	732	735	735	741	748	751	746	741	737	730	737	736	735	732	735	735	735	736
26	735	735	736	735	733	732	726	735	734	735	737	754	759	766	754	753	757	751	753	748	731	718	715	712	711	**739**
27	711	717	718	714	714	711	715	726	720	726	731	746	757	759	762	755	752	732	722	727	739	730	718	719	728	730
28	728	729	730	730	731	731	729	727	725	725	730	746	752	757	758	761	755	747	743	742	742	710	677	729	728	735
Mean	724	728	728	727	725	727	733	738	736	738	742	745	**748**	**748**	749	742	737	733	735	733	721	**719**	720	722	725	733

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

203. Eskdalemuir. (Z.) **February, 1922.**

44,000 γ (·44 C.G.S. unit) +

Hour. G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1037	1026	1030	1039	1047	1047	1046	1045	1044	1043	1043	1043	1046	1047	1051	1052	1051	1051	1049	1047	1047	1052	1041	1046	1051	1045
2	1052	1052	1054	1052	1046	1043	1041	1039	1038	1035	1039	1043	1047	1047	1048	1052	1052	1050	1048	1045	1044	1044	1044	1044	1043	1046
3 D	1044	1044	1044	1044	1042	1041	1040	1040	1038	1036	1033	1035	1040	1044	1041	1046	1057	1078	1072	1110	1089	1069	1054	1040	1028	1051
4	1029	1031	1028	1029	1037	1041	1041	1046	1050	1052	1046	1047	1052	1053	1050	1049	1050	1058	1061	1062	1054	1050	1051	1041	1033	1046
5	1034	1038	1040	1042	1042	1042	1042	1042	1042	1042	1042	1042	1042	1043	1051	1055	1051	1048	1047	1047	1048	1050	1054	1046	1041	1045
6	1041	1039	1042	1042	1036	1028	1026	1034	1038	1040	1042	1044	1045	1045	1051	1055	1054	1050	1051	1050	1047	1047	1047	1045	1038	1043
7 Q	1039	1031	1033	1039	1040	1041	1043	1043	1043	1045	1044	1044	1044	1042	1040	1044	1047	1046	1046	1045	1045	1044	1044	1043	1043	1042
8	1044	1044	1044	1041	1040	1040	1040	1040	1040	1040	1040	1040	1040	1041	1049	1064	1058	1057	1053	1056	1056	1056	1049	1028	1037	1046
9 D	1038	1039	1029	1030	1030	1023	1025	1030	1030	1034	1041	1041	1045	1057	1078	1073	1066	1079	1069	1058	1063	1064	1054	1049	1047	1048
10	1048	1047	1044	1029	1031	1042	1043	1046	1047	1046	1047	1050	1051	1054	1055	1058	1059	1055	1055	1055	1054	1053	1054	1053	1051	1049
11 Q	1051	1051	1051	1050	1050	1048	1047	1046	1046	1048	1046	1045	1049	1051	1051	1054	1051	1051	1051	1051	1048	1046	1046	1046	1050	1049
12 D	1051	1043	1043	1047	1047	1046	1044	1044	1041	1040	1038	1039	1039	1043	1043	1047	1052	1052	1055	1052	1075	1071	1064	1057	1056	1049
13	1056	1052	1040	1038	1035	1036	1039	1040	1039	1039	1039	1046	1048	1050	1052	1052	1052	1052	1052	1053	1056	1056	1055	1052	1052	1047
14	1053	1053	1052	1049	1048	1048	1048	1044	1041	1040	1040	1041	1042	1042	1044	1045	1045	1048	1045	1048	1073	1062	1061	1056	1052	1049
15 D	1052	1048	1036	1028	1013	1013	971	960	996	1020	1040	1048	1052	1052	1052	1056	1060	1064	1062	1064	1057	1056	1053	1045	1049	**1037**
16 D	1049	1051	1050	1049	1044	1029	1028	1029	1037	1044	1057	1063	1066	1076	1077	1088	1097	1099	1079	1073	1049	1048	1049	1052	1046	**1058**
17	1046	1044	1040	1044	1048	1048	1048	1045	1044	1041	1045	1046	1052	1060	1057	1061	1079	1077	1069	1070	1073	1078	1073	1069	1050	1057
18	1050	1031	1033	1037	1041	1047	1048	1048	1048	1048	1048	1048	1048	1048	1048	1050	1053	1053	1053	1053	1055	1056	1058	1057	1055	1048
19	1055	1044	1045	1049	1048	1048	1045	1044	1044	1043	1039	1037	1037	1040	1043	1048	1052	1049	1050	1052	1050	1050	1053	1055	1053	1047
20	1053	1048	1045	1024	1022	1030	1035	1036	1036	1037	1040	1037	1040	1044	1047	1050	1050	1049	1048	1046	1048	1048	1048	1048	1033	1042
21	1033	1025	1027	1028	1035	1034	1032	1031	1034	1040	1041	1041	1044	1044	1044	1045	1046	1048	1045	1045	1053	1047	1037	1037	1039	1039
22	1038	1031	1016	1018	1024	1028	1032	1036	1039	1038	1036	1038	1039	1040	1041	1043	1045	1043	1043	1043	1044	1044	1044	1044	1043	**1037**
23 Q	1043	1040	1039	1039	1039	1039	1039	1039	1038	1037	1031	1031	1032	1038	1042	1044	1045	1044	1043	1043	1043	1043	1043	1043	1043	1040
24 Q	1043	1043	1042	1041	1037	1035	1035	1035	1035	1035	1036	1036	1037	1038	1039	1043	1045	1047	1047	1043	1043	1043	1043	1043	1043	1040
25 Q	1042	1042	1042	1042	1039	1038	1038	1038	1036	1035	1031	1027	1027	1033	1035	1038	1039	1042	1038	1038	1039	1038	1038	1038	1038	**1037**
26	1038	1038	1038	1037	1037	1035	1034	1031	1029	1026	1026	1022	1022	1024	1030	1035	1043	1058	1063	1068	1078	1072	1054	1042	1042	1041
27	1042	1042	1038	1038	1035	1038	1037	1034	1034	1034	1034	1034	1030	1031	1039	1047	1051	1064	1064	1057	1049	1046	1046	1040	1039	1042
28	1038	1041	1041	1041	1041	1039	1038	1037	1038	1037	1036	1034	1034	1037	1037	1037	1041	1040	1039	1037	1036	1046	1057	1039	1036	1039
Mean	1044	1041	1039	1039	1038	1038	**1037**	**1037**	1038	1039	1040	1041	1043	1045	1048	1051	1053	**1055**	1053	1054	1054	1053	1051	1046	1044	1045

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

204. Eskdalemuir. **February, 1922.**

Day.	Terrestrial Magnetic Force.												Character Figures.*		Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +
	North Component.					West Component.					Vertical Component.					
	Maximum 15000 γ +		Minimum 15000 γ +		Range.	Maximum 4000 γ +		Minimum 4000 γ +		Range.	Maximum 44000 γ +		Minimum 44000 γ +		Range.	ΣR^2	ρ		
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	$100\gamma^2$			*a.*
1	21 39	1027	956	1 2	71	21 40	796	674	1 3	122	21 15	1054	1025	1 28	29	208	1·31	1	84·1
2	4 41	1008	969	0 40	39	12 43	764	694	4 37	70	2 29	1057	1035	8 40	22	69	0·44	0	84·1
3	17 19	1039	947	16 48	92	15 24	790	661	20 29	129	19 12	**1117**	1031	23 35	86	325	2·06	2	84·0
4	23 3	**1081**	954	1 44	127	2 15	763	683	22 53	80	18 35	1063	1021	0 33	42	243	1·54	1	84·1
5	23 1	1040	972	15 0	68	14 38	762	707	23 29	55	22 0	1056	1034	0 1	22	81	0·51	0	84·1
6	19 11	1036	936	14 20	100	5 28	767	694	19 9	73	14 32	1058	1023	5 50	35	166	1·05	1	84·1
7	15 14	1014	982	11 27	32	0 45	763	726	2 30	37	15 25	1048	1007	1 14	41	41	0·26	0	84·1
8	22 18	1046	958	15 4	88	22 29	767	673	20 31	94	15 8	1069	1024	22 40	45	186	1·18	1	84·1
9	17 19	1021	942	14 18	79	13 57	779	651	20 57	128	14 17	1097	1021	4 49	76	284	1·80	2	84·1
10	21 32	1007	966	2 2	41	2 37	762	714	21 50	48	16 0	1059	1026	3 10 3 20	33	51	0·32	0	84·2
11	22 20	1016	972	1. 29	44	12 7	757	725	18 25	32	15 13	1055	1044	10 40 10 53	**11**	31	0·19	0	84·1
12	1 12	1045	956	12 3/	89	12 23	762	**619**	20 19 20 23	143	20 6	1079	1032	1 30	47	306	1·94	1	84·0
13	1 35	1022	965	11 12	57	9 1	768	693	3 49	75	20 19	1057	1034	4 30	23	94	0·60	1	84·0
14	18 53	1026	972	21 30	54	19 1	763	653	20 19	110	20 22	1080	1039	9 39	41	167	1·06	1	84·0
15	3 45	1047	927	10 8	120	6 35	**806**	683	4 41	123	18 32	1069	**955**	6 50	**114**	425	2·70	2	84·0
16	19 36	1071	**919**	7 24	**152**	7 18	795	**619**	17 11	**176**	17 10	1105	1026	5 9	79	603	3·83	2	84·0
17	23 52	1032	941	15 59	91	9 3	762	677	16 8	85	16 22	1085	1037	1 55	48	178	1·13	1	83·9
18	0 22	1051	973	1 36	78	0 1	747	679	2 6	68	22 7	1060	1030	0 38	30	116	0·74	1	83·9
19	22 49	1028	975	23 7	53	18 20	756	699	5 21	57	23 7	1057	1036	11 35	21	65	0·41	0	83·9
20	23 35	1039	976	10 2	63	13 11	763	708	22 22	55	15 15	1053	1019	3 32	34	81	0·52	0	83·9
21	21 20	1037	970	5 52	67	7 3	75/	687	20 12	70	20 8	1055	1023	2 32	32	104	0·66	1	83·8
22	2 58	1010	981	4 25	29	1 15	758	708	4 0	50	15 55	1047	1015	2 11	32	44	0·28	0	83·9
23	6 22	1011	985	15 36	26	12 20	754	727	4 53	27	16 40	1047	1029	11 13	18	17	0·11	0	83·8
24	4 50	1018	981	12 6	37	13 0	757	718	5 13	39	17 33	1049	1034	8 0	15	31	0·19	0	83·9
25	20 59	1014	996	15 19	**18**	12 59	752	727	6 0	**25**	0 1	1043	1026	11 30	17	12	0·08	0	83·8
26	21 47 21 59	1038	966	19 52	72	12 51	772	702	22 46	70	20 3	1079	1022	11 19	57	133	0·85	1	83·8
27	22 19	1016	942	10 56	74	13 48	773	694	17 23	79	17 23	1076	1029	12 40	47	139	0·88	1	83·8
28	21 51	1040	965	12 55	75	14 50	773	652	21 30	121	21 24	1067	1033	11 30	34	214	1·36	1	83·8
Mean	—	1031	962	—	69	—	767	687	—	80	—	1066	1025	—	40	158	—	0·75	84·0
No. of Days used	—	28	28	—	28	—	28	28	—	28	—	28	28	—	28	28	—	28	28

* For explanation *see* page 83.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

TERRESTRIAL MAGNETIC FORCE: NORTH COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

205. Eskdalemuir. (X.) **March, 1922.**

15,000 γ (·15 C.G.S. unit) +

Hour. G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1008	1006	1006	991	995	1004	1014	1009	1004	1009	985	984	981	976	961	964	975	1012	1000	1000	1007	1043	1024	1009	989	998
2	989	977	986	990	960	971	999	990	982	985	984	967	976	987	995	996	1000	1000	999	999	999	998	1000	1003	995	989
3	995	985	995	996	999	999	1001	1003	1003	999	986	980	978	982	987	992	994	1006	990	991	1014	999	1000	975	999	994
4	999	1000	995	994	992	992	998	989	985	989	986	984	971	975	976	987	995	996	999	1000	1000	1000	1003	1004	1000	992
5 D	1000	1000	1000	1001	1002	1004	1005	1011	1005	1009	1006	995	1001	994	985	1008	1004	1029	1000	956	951	976	984	972	975	995
6	975	984	973	975	979	984	993	992	990	977	975	975	972	979	986	989	991	987	990	994	990	994	996	997	994	985
7 Q	993	994	993	993	995	995	998	999	998	995	984	979	981	984	985	984	988	994	995	1001	999	1004	999	999	999	993
8 Q	999	1000	999	999	999	997	1012	1008	1006	998	983	974	978	974	980	982	979	993	998	1001	1003	1000	999	999	1000	994
9 Q	1000	1001	999	998	999	1000	1003	1007	1004	1001	992	980	974	984	989	991	995	989	990	995	993	1002	1003	1001	1000	995
10 D	1000	999	1007	1007	1004	1009	1041	1018	1014	1020	1004	998	990	987	986	994	984	973	1013	1013	1003	988	988	1013	987	**1002**
11	987	984	984	988	988	989	982	994	986	970	966	970	973	979	999	994	994	997	1003	1006	1031	1018	1003	1013	1009	992
12	1008	986	993	993	998	998	1006	1003	998	993	983	963	959	959	980	988	1012	992	980	991	1002	1017	1014	1032	995	993
13 D	995	997	1017	983	988	989	963	977	957	963	968	948	909	935	958	979	973	998	983	1004	988	973	1007	1033	988	978
14 D	988	973	969	964	976	987	992	987	934	914	948	935	939	959	979	973	1032	998	987	997	1008	988	957	990	983	**974**
15	982	957	963	977	978	981	990	987	983	977	973	969	972	982	992	989	987	987	990	998	997	1010	1008	1007	998	985
16	998	997	996	992	993	996	996	997	996	991	981	983	983	981	993	992	996	1001	999	1003	1001	1008	1006	1006	1005	995
17	1005	1003	1002	1001	1002	1006	1006	1007	1008	997	987	977	976	966	972	982	976	978	995	996	986	1026	1043	982	1001	995
18	1001	997	983	986	987	993	1002	1008	991	966	978	976	968	969	972	984	969	998	997	992	1008	1007	998	1002	996	989
19	995	986	987	990	980	990	998	997	991	992	993	981	972	981	981	990	990	991	996	986	1020	1002	995	1000	991	991
20	991	995	991	972	991	1013	1005	1000	990	982	986	980	975	972	980	991	994	991	994	1001	990	982	976	986	991	989
21	991	991	990	992	999	996	1000	987	986	996	986	978	970	965	971	981	981	990	995	1000	1002	1002	1009	1007	1002	990
22	1002	1000	1001	1006	1005	1006	1006	1011	1010	1001	990	980	966	976	976	991	1000	1008	1005	1030	996	1000	1001	1005	1025	999
23 Q	1025	994	991	991	995	1000	1002	1007	1005	996	986	976	970	976	981	991	995	1000	1004	1005	1006	1006	1004	1005	1005	996
24 Q	1004	1002	1002	999	1000	1002	1009	1010	1008	999	985	974	971	974	976	984	990	995	999	1001	1004	1006	1009	1010	1014	997
25	1014	1009	1005	995	1030	1036	1025	960	1005	1001	964	945	931	940	965	965	980	988	995	995	1003	999	1010	994	990	989
26	990	995	991	990	998	990	990	995	997	985	966	977	968	966	966	970	975	991	999	996	999	1010	1009	1005	1004	989
27	1003	995	992	993	994	994	998	996	994	990	979	969	964	970	973	973	984	993	999	1004	1014	1005	1004	1023	1004	992
28	1004	1002	1000	1003	1003	1002	1002	1003	1003	992	974	964	960	964	973	989	994	1003	1013	1019	1008	1008	1013	1014	1015	997
29	1015	1013	1007	1005	993	1013	1014	1017	1009	1002	990	973	969	969	983	968	985	978	998	1002	1004	1003	999	1003	1010	996
30 D	1010	1014	994	1004	1000	1002	1008	999	983	990	961	964	959	964	973	978	1005	1016	993	990	1002	1008	1023	994	994	993
31	993	975	963	978	992	992	988	958	985	993	957	970	970	968	984	988	992	993	1003	996	1002	1009	1012	998	1002	986
Mean	999	994	993	992	994	998	1001	998	994	989	980	973	**969**	972	979	985	991	996	997	999	1001	**1003**	**1003**	**1003**	999	992

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

206. Eskdalemuir. (—Y.) **March, 1922.**

4,000 γ (·04 G.C.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	728	730	722	720	740	753	741	741	736	731	736	741	748	757	768	758	747	715	736	742	711	687	687	657	678	729
2	678	732	731	721	747	750	746	728	730	720	726	734	739	748	751	746	741	736	736	716	718	718	732	704	699	731
3	699	721	709	716	722	725	727	729	725	720	726	736	746	751	751	747	741	736	716	729	711	685	699	710	708	724
4	708	694	719	715	732	725	720	730	720	719	725	740	746	747	741	736	735	730	734	736	733	731	731	730	726	729
5 D	726	725	726	726	726	726	726	731	728	725	731	730	752	775	779	772	761	736	719	720	687	689	688	710	730	730
6	730	731	719	726	731	733	724	722	724	726	731	740	754	752	752	748	736	727	727	730	727	723	728	727	725	732
7 Q	725	725	725	721	725	726	726	725	723	720	722	725	735	741	742	736	731	725	731	735	735	732	719	731	731	729
8 Q	731	731	731	727	730	735	723	725	726	725	741	747	762	756	757	750	736	728	730	731	731	732	732	731	733	735
9 Q	733	730	724	730	730	720	721	725	720	716	726	736	745	747	740	746	730	726	730	731	735	731	731	732	731	731
10 D	731	728	730	725	726	735	736	730	746	736	732	736	747	756	757	763	754	749	748	736	727	726	715	700	712	**736**
11	712	725	720	730	726	731	731	731	720	715	726	737	748	752	758	754	745	737	737	735	699	715	714	701	719	730
12	719	724	722	719	717	719	720	720	714	711	715	730	754	762	763	762	758	725	719	731	730	698	709	714	712	727
13 D	712	709	651	665	714	716	700	709	731	709	721	730	749	789	806	780	753	736	689	661	667	715	736	731	726	**720**
14 D	726	715	736	754	726	715	715	712	740	726	721	728	741	748	752	770	688	720	699	720	721	636	683	706	710	**720**
15	710	720	725	715	715	720	716	716	715	714	725	735	747	751	749	742	736	731	731	734	733	741	736	731	726	729
16	727	726	726	726	726	726	727	725	717	711	717	732	748	743	747	738	735	732	731	732	731	732	731	731	727	730
17	727	727	727	727	727	731	732	735	729	722	720	731	748	748	752	766	757	731	733	700	747	702	694	672	690	728
18	690	690	716	721	737	723	727	733	727	733	727	733	744	745	743	749	736	714	727	727	716	701	726	726	711	726
19	711	727	728	727	726	736	726	723	721	717	726	733	749	757	756	758	758	742	747	731	732	715	711	711	748	733
20	748	726	715	727	733	711	713	716	715	732	732	742	748	755	756	755	748	732	717	707	682	699	704	711	720	725
21	720	727	727	728	717	717	727	720	720	718	716	726	741	754	758	758	748	737	736	731	719	732	727	730	720	731
22	726	726	726	723	723	724	728	726	721	717	721	725	737	749	748	748	747	745	733	693	710	722	726	710	710	727
23 Q	716	722	721	721	726	725	726	723	716	710	710	717	729	743	748	749	742	736	733	732	732	721	727	732	731	728
24 Q	732	729	728	726	727	732	729	727	717	706	708	720	738	754	759	754	744	737	733	733	732	733	733	727	730	732
25	730	727	726	745	734	717	717	753	727	711	706	733	745	758	766	759	745	737	730	727	701	706	697	712	717	729
26	717	738	717	724	709	712	722	738	730	717	716	722	733	749	754	722	739	733	733	728	728	720	720	722	722	727
27	722	722	722	725	724	720	720	716	712	705	710	722	734	754	759	754	748	743	738	734	713	721	717	700	730	727
28	730	728	728	727	720	717	718	719	711	706	711	719	738	756	765	769	761	756	754	752	744	734	733	733	734	735
29	735	729	725	728	728	739	734	725	714	709	710	715	734	751	771	758	755	740	733	734	735	734	730	731	734	733
30 D	734	717	728	728	728	731	735	744	760	727	723	728	755	761	777	767	723	712	722	730	723	686	701	697	691	730
31	691	707	703	723	720	722	730	739	712	705	709	715	724	750	723	744	745	739	727	733	733	707	707	718	733	723
Mean	720	723	721	724	726	726	725	727	724	718	721	730	744	754	**757**	753	743	733	729	726	721	**713**	717	716	720	729

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

207. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit) + **March, 1922.**

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1036	1034	1027	1030	1018	1013	1017	1021	1024	1023	1025	1025	1026	1030	1045	1069	1080	1083	1063	1028	1031	1038	1018	996	996	1033
2	995	1012	1022	1028	1016	999	1005	1020	1028	1030	1029	1029	1033	1033	1037	1040	1045	1045	1045	1046	1045	1044	1027	1025	1017	1029
3	1017	1006	1020	1029	1033	1034	1033	1033	1035	1033	1028	1025	1025	1028	1032	1037	1039	1042	1052	1057	1056	1045	1028	980	1001	1031
4	1000	1019	1026	1032	1032	1032	1032	1029	1032	1040	1036	1032	1029	1035	1036	1041	1049	1049	1043	1039	1038	1038	1037	1036	1036	1035
5 D	1036	1036	1036	1036	1036	1035	1034	1030	1031	1030	1025	1026	1023	1031	1049	1090	1112	1146	1138	1114	1100	1064	1011	1031	1036	**1054**
6	1035	1026	1030	1034	1034	1033	1034	1035	1035	1038	1041	1041	1035	1034	1035	1039	1050	1051	1046	1044	1043	1043	1041	1039	1039	1038
7 Q	1039	1039	1039	1039	1038	1038	1036	1037	1039	1035	1033	1031	1029	1030	1032	1035	1035	1039	1037	1037	1038	1038	1038	1035	1034	1036
8 Q	1033	1033	1033	1033	1033	1031	1026	1027	1030	1030	1030	1025	1025	1029	1033	1041	1049	1046	1042	1038	1038	1038	1038	1038	1036	1034
9 Q	1035	1033	1032	1031	1029	1029	1029	1029	1031	1028	1023	1020	1021	1023	1028	1033	1040	1045	1045	1042	1039	1037	1036	1034	1033	1032
10 D	1033	1033	1033	1032	1031	1028	1016	1016	1016	1009	1009	1012	1017	1022	1030	1041	1058	1061	1058	1070	1073	1061	1053	1030	1024	1035
11	1023	1026	1027	1028	1028	1024	1023	1024	1027	1023	1023	1023	1023	1027	1034	1039	1039	1037	1035	1036	1036	1028	1027	1009	1015	1028
12	1014	1022	1023	1028	1027	1027	1026	1027	1027	1029	1030	1027	1027	1025	1023	1035	1052	1080	1076	1051	1039	1039	1027	1006	1011	1033
13 D	1011	998	967	970	998	990	963	982	994	998	1022	1023	1031	1030	1067	1101	1075	1067	1084	1072	1057	1047	1010	998	1005	1023
14 D	1005	998	995	994	1007	1020	1026	1027	1010	994	998	1006	1018	1039	1041	1055	1101	1092	1092	1071	1027	1026	1026	1024	1023	1029
15	1022	1013	1001	1021	1029	1026	1022	1022	1022	1021	1022	1025	1024	1022	1025	1026	1030	1030	1030	1029	1029	1026	1026	1026	1029	1024
16	1028	1029	1029	1029	1029	1028	1025	1025	1025	1025	1025	1020	1020	1021	1025	1028	1029	1029	1028	1025	1025	1024	1024	1025	1025	1026
17	1025	1025	1025	1025	1023	1021	1020	1021	1020	1017	1015	1012	1016	1021	1025	1033	1048	1046	1053	1057	1029	992	984	970	1023
18	970	988	1001	1004	1004	1012	1017	1016	1017	1016	1016	1015	1016	1016	1020	1025	1040	1054	1045	1040	1035	1029	1023	1021	1017	1019
19	1017	1016	1018	1017	1016	1004	1005	1012	1016	1017	1016	1013	1013	1017	1028	1029	1037	1037	1038	1049	1033	1029	1033	1020	1000	1022
20	999	1008	1019	1015	995	991	992	996	1007	1007	1012	1011	1011	1011	1015	1020	1026	1034	1036	1037	1040	1032	1031	1031	1030	1016
21	1030	1028	1027	1023	1020	1019	1015	1016	1019	1020	1024	1020	1013	1013	1019	1024	1031	1031	1031	1030	1032	1031	1028	1026	1025	1024
22	1024	1023	1022	1019	1018	1018	1018	1018	1018	1018	1018	1015	1014	1011	1014	1015	1018	1023	1030	1034	1032	1030	1027	1025	1012	1021
23 Q	1012	1011	1015	1018	1018	1018	1017	1018	1020	1023	1020	1012	1006	1006	1010	1014	1018	1022	1022	1022	1022	1022	1022	1019	1019	1017
24 Q	1019	1019	1018	1018	1018	1015	1014	1015	1015	1016	1014	1010	1005	1003	1007	1014	1018	1022	1022	1020	1020	1019	1019	1018	1014	1016
25	1014	1015	1015	1006	994	998	996	994	986	998	1002	1003	1003	1007	1012	1020	1023	1026	1027	1026	1030	1024	1016	1015	1015	1010
26	1015	1007	1010	1005	1002	1007	1006	999	1002	1006	1011	1012	1010	1010	1010	1016	1023	1027	1026	1026	1024	1023	1019	1018	1016	1013
27	1015	1013	1017	1018	1018	1018	1017	1017	1017	1015	1071	1011	1006	1006	1010	1018	1024	1024	1023	1022	1023	1021	1021	1020	1013	1017
28	1012	1013	1016	1015	1016	1015	1013	1013	1014	1013	1013	1011	1008	1006	1005	1005	1008	1012	1013	1012	1017	1021	1019	1017	1016	1013
29	1016	1012	1013	1011	1010	1003	1003	1005	1010	1012	1013	1012	1005	1001	1010	1020	1031	1030	1029	1021	1020	1020	1020	1016	1012	1014
30D	1011	999	1004	1007	1009	1011	1008	1008	1007	1008	1012	1009	1007	1007	1015	1028	1059	1061	1043	1025	1023	1024	1003	973	969	1014
31	969	950	941	971	996	1004	1003	994	1003	1004	1009	1008	1007	1010	1025	1026	1024	1029	1030	1028	1024	1020	1015	1012	1008	**1005**
Mean.	**1016**	**1016**	**1016**	1018	1019	1018	**1016**	1017	1019	1019	1020	1018	1017	1019	1026	1034	1042	**1046**	1044	1040	1037	1033	1024	1018	**1016**	1025

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

208. Eskdalemuir. **March, 1922.**

Day.	Terrestrial Magnetic Force. North Component. Maximum 15,000 γ +		Minimum 15,000 γ +		Range.	West Component. Maximum 4,000 γ +		Minimum 4,000 γ +		Range.	Vertical Component. Maximum 44,000 γ +		Minimum 44,000 γ +		Range.	Character Figures.* ΣR^2	Character Figures.* ρ	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +.
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	$100\gamma^2$			*a.*
1	20 54	1073	936	14 10	137	13 50	790	623	22 43	167	16 35	1099	981	23 26	118	606	2·12	1	83·8
2	23 23	1030	939	4 22	91	14 21	761	673	0 1	88	19 9	1049	995	0 1	54	189	0·66	1	83·8
3	20 20	1098	938	22 40	160	13 45	756	660	20 11	96	18 39	1063	971	23 5	92	433	1·52	1	83·7
4	19 48	1009	961	12 17	48	11 31	754	682	0 38	72	16 21	1052	1027	11 50	25	81	0·28	0	83·7
5	16 49	1117	907	22 6	210	13 41	811	637	18 1	174	16 49	**1187**	1000	21 41	**187**	1093	3·83	2	83·7
6	16 0	1004	968	12 7	36	12 0	758	715	1 25	43	16 42	1055	1022	1 16	33	42	0·15	0	83·7
7	20 38	1013	978	10 49	**35**	14 22	748	709	21 50	**39**	0 6	1040	1027	11 50	13	29	0·10	0	83·7
8	8 0	1013	968	12 35	45	11 50 12 10	763	720	6 25	43	16 10	1050	1025	11 40	25	45	0·16	0	83·7
9	7 0	1009	969	11 45	40	15 20	752	710	8 51	42	16 50	1048	1020	11 0	28	41	0·15	0	83·7
10	5 56	1067	946	8 26	121	5 10	794	683	23 1 23 4	111	19 46	1077	1009	8 45	68	316	1·11	2	83·6
11	20 5	1062	963	10 0	99	13 45	762	666	20 0	96	16 0	1040	1007	23 5	33	201	0·70	1	83·6
12	23 21	1055	947	11 11	108	14 32	784	671	17 18	113	17 15	1092	1002	23 4 23 14	90	325	1·14	1	83·6
13	22 46	1052	889	12 15	163	14 33	**849**	627	19 49	**222**	14 50	1117	957	5 31	160	1015	3·55	2	83·7
14	19 30	**1125**	**875**	9 10	**250**	15 7	789	**613**	21 15	176	15 52	1107	993	8 35	114	1065	3·73	2	83·7
15	20 56	1021	941	0 58	80	13 36	756	714	0 39	42	16 32	1033	993	1 48	40	98	0·34	0	83·7
16	20 43	1016	964	12 41	52	12 0	761	705	9 17	56	2 54	1031	1020	12 15	**11**	60	0·21	0	83·6
17	21 18	1084	928	23 16	156	15 3	772	641	22 42	131	19 27	1060	967	24 0	93	501	1·76	2	83·6
18	21 3	1030	956	16 21	74	15 10	757	679	20 52	78	17 20	1057	967	0 1	90	197	0·69	1	83·6
19	19 52	1083	956	12 15	127	15 42	779	694	23 0	85	19 21	1055	996	24 0	59	268	0·94	1	83·6
20	19 7	1025	958	3 12	67	13 31	761	663	19 57	98	19 55	1044	989	4 45	55	171	0·60	1	83·6
21	20 24	1015	961	13 20	54	13 59	763	711	3 58	52	20 20	1033	1011	12 31	22	61	0·21	0	83·6
22	18 54	1051	956	12 10	95	13 45	758	681	18 49	77	18 48	1036	1010	12 50	26	156	0·55	1	83·6
23	0 1	1030	962	11 51	68	14 38	753	705	9 22	48	21 25	1023	1005	12 50	18	73	0·25	0	83·6
24	23 40	1027	967	11 33	60	14 11	760	705	9 28	55	17 10	1022	1002	13 10	20	70	0·25	0	83·6
25	5 36	1058	897	11 31	161	12 26	776	674	20 30	102	20 28	1031	978	7 35	53	391	1·37	2	83·6
26	21 39	1018	960	10 3	58	13 49	761	706	4 2	55	17 20	1027	998	3 35	29	72	0·25	0	83·6
27	22 47	1038	960	12 14	78	14 16	760	673	22 40	87	20 5	1025	1005	11 42	20	141	0·49	0	83·6
28	19 20	1030	959	11 41	71	14 32	770	703	9 58	67	20 38	1021	1004	14 0	17	98	0·34	0	83·6
29	7 0	1023	955	14 34	68	14 3	798	704	9 30	94	17 47	1033	1000	13 5	33	145	0·51	1	83·6
30	22 26	1078	939	12 39	139	13 55	793	652	20 38	141	17 3	1071	967	22 42	104	500	1·75	2	83·6
31	18 6	1021	890	13 41	131	12 53	766	670	0 32	96	14 29	1033	**934**	1 40	99	362	1·27	1	83·6
Mean	—	1044	945	—	99	—	771	680	—	92	—	1055	996	—	59	285	—	0·81	83·6
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31	31	—	31	31

* For explanation *see* page 83.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

209. Eskdalemuir. (X.) **April, 1922.**

15,000 γ (·15 C.G.S. unit) +

Hour. G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1002	1000	996	968	963	997	988	994	983	978	973	963	960	958	974	989	998	998	997	998	1006	1001	1028	1001	996	988
2	995	995	996	996	996	994	1001	992	988	982	970	963	962	963	961	982	977	1004	997	1006	1010	992	996	996	990	988
3	996	996	996	995	996	1000	999	1002	1000	990	977	971	956	967	973	982	990	1001	1005	1005	1006	1004	1004	998	997	992
4 Q	997	996	997	998	997	998	999	1001	999	992	981	970	964	967	977	986	988	996	1000	1001	1001	1001	1001	1002	1000	992
5 Q	1006	1002	1002	1001	1002	1002	1005	1008	1009	996	981	976	972	976	982	991	990	1001	999	1003	1008	1007	1007	1006	1006	997
6 Q	1005	1005	1005	1002	1001	1003	1005	1006	1005	995	981	972	971	978	985	992	996	1000	1004	1003	1001	1004	1003	1004	1002	997
7 Q	1002	1003	1002	1001	1003	1003	1006	1011	1010	1000	992	982	981	985	990	995	1004	1005	1010	1010	1007	1010	1014	1016	1014	**1002**
8	1013	1012	1002	1004	1000	1009	1009	1005	994	986	975	974	974	980	974	990	975	995	999	1010	981	995	1000	1000	1035	994
9 D	1035	1035	975	985	972	1009	984	952	957	955	950	958	960	966	955	986	980	994	1034	999	999	997	1005	1004	1009	985
10	1008	991	989	964	1003	1017	984	950	971	959	989	954	953	964	979	987	985	989	989	1003	1005	989	1013	1007	993	985
11	993	988	994	980	999	998	989	988	986	976	959	950	963	965	971	979	988	990	999	1005	1004	1007	991	997	998	986
12 D	997	960	986	987	992	978	994	975	974	971	957	961	945	952	959	979	991	998	1002	1007	1023	992	974	988	988	981
13	988	958	989	989	993	993	992	992	988	979	958	958	958	953	971	987	987	998	1000	996	1014	992	992	983	997	984
14	996	991	1001	979	995	996	999	996	991	978	953	932	929	938	956	967	972	977	997	991	1002	1002	1002	1007	1016	982
15	1016	999	996	995	996	997	1006	997	987	958	954	957	956	957	965	972	990	997	1001	1001	1006	1025	1002	1000	1006	989
16	1006	982	993	997	993	992	1002	1004	999	987	972	962	957	959	971	987	1001	1005	1006	1001	1003	1001	1007	996	1001	991
17	1000	991	1000	995	977	992	1005	1001	993	986	972	956	947	951	967	981	994	1006	1006	1006	1003	1014	1003	1000	1009	990
18	1009	1000	990	991	995	996	996	996	995	986	970	958	951	966	973	982	990	999	1005	1002	1000	996	1000	1002	1001	989
19 Q	1000	999	995	994	995	999	999	996	989	976	965	961	960	965	974	980	989	995	1006	1002	999	995	998	999	1000	989
20	1000	1004	1003	999	995	1001	1001	999	995	985	973	969	970	969	980	985	993	999	1013	1024	1008	997	999	997	996	994
[illegible]	995	998	1004	998	994	1008	1005	1007	996	970	957	959	963	968	969	984	988	1008	1009	993	989	989	988	993	943	988
[illegible]	943	1018	983	989	993	979	950	876	924	955	948	879	943	949	950	966	974	988	995	995	993	994	998	998	998	**967**
[illegible]	[illegible]	976	992	992	989	992	985	987	999	993	969	958	953	962	962	975	993	997	1012	1008	1032	997	998	1006	1002	989
[illegible]	982	1012	999	983	974	1005	992	988	978	963	968	914	934	963	983	978	1018	987	1005	997	1017	992	992	992	992	985
[illegible]	991	993	996	993	981	992	986	1004	986	974	961	952	947	946	943	977	972	987	991	1011	1006	1006	1003	1001	1007	984
D [illegible]	1007	972	1000	986	977	927	938	967	968	937	949	958	962	960	962	962	976	1001	1001	1005	1031	996	990	1022	997	977
[illegible]	998	981	992	984	985	981	980	932	932	967	956	945	947	953	952	980	997	1005	1004	996	998	996	991	982	983	976
[illegible]	[illegible]	990	988	970	971	977	983	983	972	956	946	946	949	956	966	981	987	995	1006	1001	1006	998	991	996	994	986
[illegible]	993	992	991	994	998	1003	995	994	984	956	960	965	965	970	955	992	989	991	1008	1009	1001	1009	998	991	990	988
[illegible]	990	989	986	985	987	989	989	980	975	971	966	961	959	960	950	989	1007	1008	990	1001	994	994	993	997	997	984
Mean	999	995	995	990	990	994	992	986	984	975	966	**956**	957	962	968	982	989	997	1003	1003	**1005**	1000	999	999	999	987

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean value for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

210. Eskdalemuir. (—Y.) **April, 1922.**

4,000 γ (·04 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	22.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	733	738	734	717	773	735	724	735	727	722	718	723	734	744	750	757	727	743	739	738	735	718	734	733	720	734
2	720	728	729	734	736	724	725	723	723	718	712	717	735	760	759	766	752	739	739	706	707	731	733	730	730	731
3	730	728	725	725	726	728	723	718	712	707	707	720	729	745	754	751	742	734	737	733	733	730	730	732	729	729
4 Q	730	729	730	729	728	724	724	723	716	708	708	719	734	746	752	751	743	740	739	735	735	731	732	734	730	731
5 Q	736	732	729	726	725	724	724	719	711	707	716	729	744	761	766	758	747	743	739	740	740	739	739	738	735	**735**
6 Q	735	734	732	729	729	727	726	725	715	714	719	728	742	755	756	751	741	735	734	734	735	735	734	734	732	733
7 Q	732	731	730	726	724	724	721	719	717	714	719	726	740	751	755	752	746	740	742	742	740	736	735	732	731	733
8	731	724	718	722	723	710	713	708	703	705	729	745	746	775	772	773	766	767	756	745	686	716	730	735	691	732
9 D	691	687	681	698	735	735	723	715	713	719	724	737	746	756	758	745	745	740	713	723	729	728	723	729	744	726
10	744	715	711	744	723	713	713	740	751	739	739	743	755	794	752	753	751	750	735	693	694	734	724	719	702	732
11	702	718	704	718	719	713	718	723	711	711	713	729	746	766	759	751	744	735	731	729	718	690	703	704	693	723
12 D	693	682	703	714	718	723	719	717	719	703	713	730	750	761	703	767	762	735	746	735	704	693	695	698	686	**721**
13	680	713	722	708	719	719	714	708	704	698	705	723	740	755	756	761	755	735	740	718	698	720	719	730	713	723
14	713	719	697	707	718	718	719	719	713	708	715	724	739	751	767	770	767	752	746	735	708	719	718	712	714	727
15	714	703	709	720	717	728	730	725	719	708	719	724	739	753	761	751	748	746	745	735	727	713	713	719	708	728
16	709	720	730	721	720	725	726	720	714	709	715	724	736	747	753	757	753	752	747	737	723	727	688	694	703	727
17	703	724	716	718	723	735	717	716	714	719	725	735	747	761	762	762	753	749	741	735	731	720	719	730	732	732
18	732	714	714	714	716	725	720	715	709	708	709	721	737	762	767	764	761	756	728	730	726	721	723	724	710	729
19 Q	716	718	717	715	716	719	715	712	709	709	720	730	737	717	751	746	745	743	741	735	735	735	731	730	735	728
20	735	735	731	717	720	715	714	714	714	715	719	724	736	746	746	747	751	749	750	737	699	710	709	725	730	727
21	730	730	720	719	723	724	720	710	709	716	731	735	744	751	753	759	757	748	751	709	709	704	671	666	688	724
22 D	688	672	712	715	714	777	784	730	762	722	730	724	736	741	741	746	741	741	736	731	730	731	733	731	730	733
23	730	726	724	720	716	711	713	719	715	714	709	720	730	752	752	752	752	730	730	725	708	711	725	720	744	726
24 D	744	715	715	720	731	715	700	730	721	735	737	730	756	701	708	708	735	746	746	709	704	724	731	731	731	732
25	731	730	729	727	740	736	726	726	714	708	714	724	740	746	746	742	743	737	724	730	709	720	740	726	699	729
26 D	699	688	726	700	712	742	768	742	720	710	719	724	733	742	749	741	749	753	730	738	707	714	724	723	713	727
27	713	712	713	724	725	725	720	721	732	723	714	717	725	740	741	741	747	724	731	731	721	717	704	704	731	724
28	731	737	740	730	719	716	712	711	709	715	721	725	736	746	745	740	738	741	737	727	714	725	727	730	730	729
29	736	730	725	722	720	716	720	724	720	721	735	746	754	704	752	748	753	730	730	730	715	725	727	731	743	733
30	743	732	736	725	724	720	714	708	700	703	714	726	752	703	750	756	752	740	731	733	730	730	726	725	726	731
Mean	721	719	720	720	724	725	723	721	717	**714**	719	727	741	754	**755**	754	749	743	738	729	718	722	720	722	721	729

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

211. Eskdalemuir. (Z.) **April, 1922.**

44,000 γ (·44 C.G.S. unit) +

Hour. G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1007	997	986	986	969	969	986	994	1002	1011	1014	1010	1010	1010	1010	1019	1034	1027	1018	1015	1014	1018	1001	997	1006	1005
2	1005	1008	1009	1009	1005	1005	1008	1009	1006	1009	1005	1005	1001	1001	1005	1006	1017	1022	1026	1030	1025	1016	1013	1013	1013	**1011**
3	1012	1009	1010	1011	1011	1009	1009	1009	1008	1008	1005	1001	999	999	1000	1005	1013	1017	1016	1015	1012	1010	1009	1008	1008	1008
4 Q	1008	1009	1008	1008	1008	1008	1008	1008	1008	1008	1004	1000	996	996	999	1004	1007	1009	1009	1009	1009	1009	1008	1008	1007	1006
5 Q	1006	1006	1007	1007	1007	1006	1004	1006	1007	1004	999	992	988	986	991	999	1006	1008	1010	1009	1008	1007	1007	1007	1006	1003
6 Q	1005	1006	1006	1006	1006	1005	1003	1002	1002	1002	1002	993	990	991	998	1004	1007	1007	1006	1006	1006	1006	1006	1006	1005	1003
7 Q	1004	1003	1003	1002	1002	1001	1001	1001	1001	1001	1003	1000	992	988	990	997	999	1001	1002	1002	1005	1005	1004	1001	1001	1000
8	1000	999	1000	998	993	988	988	988	988	988	988	986	984	984	989	1000	1010	1017	1029	1029	1054	1033	1017	1013	1002	1003
9 D	1001	947	955	971	942	937	942	964	979	983	988	987	989	988	996	1019	1023	1028	1027	1017	1011	1010	1003	999	971	987
10	970	974	975	962	954	965	969	973	970	981	990	994	990	994	1002	1002	1014	1030	1031	1031	1018	1006	998	987	978	991
11	977	979	986	986	981	981	985	989	990	989	989	984	978	984	993	997	998	1002	1004	1004	1009	1005	998	991	973	991
12 D	972	911	947	976	987	988	987	988	988	989	988	987	988	997	997	997	1008	1020	1016	1016	1009	1001	996	980	963	989
13	961	963	948	961	982	990	994	994	994	992	990	990	990	994	999	1001	1007	1018	1015	1016	1011	1005	1002	975	974	992
14	973	958	964	975	981	986	989	993	993	993	991	991	989	989	993	997	1005	1006	1005	1007	1014	1005	998	989	971	991
15	970	972	979	982	983	984	984	986	988	989	988	984	980	980	985	992	996	1000	1005	1010	1008	989	983	983	979	988
16	978	979	982	987	990	987	987	987	987	985	983	981	975	974	979	984	987	991	995	998	999	997	997	988	980	987
17	979	973	970	974	976	970	974	977	976	975	975	974	974	977	982	986	986	990	995	998	998	997	990	990	982	982
18	982	978	982	986	988	987	989	990	990	986	986	982	977	974	983	986	990	998	1012	1010	1006	1003	999	994	989	990
19 Q	988	984	977	981	985	989	989	991	992	989	985	981	980	981	984	989	989	989	993	996	997	994	993	992	989	988
20	989	981	977	980	985	986	989	989	986	985	981	979	976	973	976	977	977	980	981	989	1004	1001	994	989	989	984
21	988	984	973	971	967	967	966	971	973	968	967	968	968	968	971	978	988	1005	1028	1048	1042	1028	1004	983	907	985
22 D	907	943	972	981	984	920	894	910	920	948	960	971	977	982	987	988	989	989	992	992	992	992	989	989	989	967
23	989	990	991	990	988	984	979	972	971	974	980	976	971	972	980	982	988	1004	1016	1017	1005	996	992	982	971	987
24 D	972	954	961	948	940	956	969	972	973	976	974	980	978	980	986	998	1030	1018	1010	1013	1009	998	995	993	991	983
25	992	990	990	990	983	970	974	975	980	979	978	978	977	978	987	999	998	1002	1007	1006	1010	998	986	949	949	986
26 D	949	929	885	933	948	929	918	917	963	974	981	979	974	974	981	990	991	998	1007	1002	999	991	990	962	957	**965**
27	958	975	980	983	983	983	983	983	981	983	991	988	987	987	993	995	999	1015	1012	1003	1004	992	982	983	983	989
28	984	975	968	960	972	976	976	980	983	983	983	984	977	980	984	992	996	995	996	1003	1003	997	995	991	984	985
29	986	986	990	993	992	989	987	985	985	982	978	974	974	979	987	998	1006	1014	1012	1007	1007	997	985	990	978	991
30	979	983	987	991	995	995	995	996	994	987	979	975	972	979	986	991	995	1000	1006	1003	999	995	995	995	993	991
Mean.	983	**978**	979	983	983	980	981	983	986	987	987	986	983	985	990	996	1002	1007	1009	**1010**	**1010**	1003	998	991	983	991

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

212. Eskdalemuir. **April, 1922.**

Day.	Terrestrial Magnetic Force.												Character Figures.*		Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +.
	North Component.					West Component.				Vertical Component.						
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range.	Maximum 4,000 γ +		Minimum 4,000 γ +		Range.	Maximum 44,000 γ +		Minimum 44,000 γ +		Range.	ΣR^2	ρ		
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	$100\gamma^2$			*a.*
1	22 10	1052	932	3 16	120	3 57	781	704	9 48	77	16 10	1038	963	4 41	75	260	0·93	1	83·6
2	19 30	1029	952	12 6	77	15 20	782	660	19 22	122	19 22	1037	1000	12 40	37	222	0·79	1	83·6
3	16 48	1011	951	11 48	60	14 13	755	704	9 45	51	17 10	1018	996	11 40	22	67	0·24	0	83·5
4	20 49	1006	958	12 19	48	14 20	756	707	9 48	49	18 55	1011	995	12 50	**16**	50	0·18	0	83·5
5	20 52	1011	967	11 43	44	13 34	767	704	8 40	63	17 50	1011	984	12 39	27	66	0·24	0	83·5
6	7 43	1010	967	11 52	**43**	13 32	757	713	6 27	**44**	16 30	1010	990	12 30	20	42	0·15	0	83·5
7	17 52	1025	980	11 54	45	15 32	758	713	7 52	45	21 10	1005	986	12 50	19	44	0·16	0	83·5
8	19 3	1033	925	19 41	108	13 24	784	650	19 55	134	19 53	**1068**	983	12 32	85	368	1·32	1	83·5
9	0 23	**1137**	926	14 18	211	13 42	767	643	0 17	124	17 30	1036	934	4 17	102	703	2·51	2	83·5
10	22 18	1062	934	10 31	128	11 19	772	661	19 25	111	17 32	1035	949	3 20	86	361	1·29	1	83·4
11	20 29	1022	945	10 40	77	13 1	775	678	20 40	97	20 22	1013	977	12 20	36	166	0·59	1	83·4
12	19 26	1047	923	12 33	124	15 16	777	641	21 55	136	16 54	1022	895	1 12	127	500	1·79	2	83·4
13	20 0	1025	934	1 11	91	15 23	766	661	0 6	105	17 39	1019	946	1 55	73	246	0·88	1	83·4
14	23 30	1042	926	11 2	116	15 25	777	682	1 19	95	20 5	1017	956	0 47	61	262	0·94	1	83·4
15	20 49	1051	952	12 30	99	14 0	762	681	20 40	81	19 22	1012	968	0 20	44	183	0·65	1	83·4
16	22 4	1019	954	11 41	65	15 14	763	680	21 48	83	19 45	1000	973	12 30	27	118	0·42	1	83·4
17	21 12	1043	942	12 8	101	14 38	768	698	0 15	70	20 22	1002	966	1 31	36	164	0·59	0	83·4
18	17 58	1017	946	11 54	71	14 37	772	704	8 29	68	18 8	1014	973	12 55	41	113	0·41	0	83·4
19	18 46	1009	959	10 24	50	14 2	752	704	8 31	48	19 40	998	974	2 5	24	54	0·19	0	83·3
20	19 5	1038	967	11 25	71	16 30	756	688	20 26	68	20 20	1009	973	13 0	36	110	0·39	1	83·3
21	17 37	1029	900	23 42	129	16 0	763	650	21 50	113	19 36	1049	899	24 0	**150**	519	1·86	1	83·3
22	0 46	1052	**816**	7 25	**236**	5 38	**829**	**639**	0 39	**190**	19 0	993	**879**	5 38	114	1048	3·75	2	83·3
23	19 46	1100	938	11 18	162	15 37	775	641	19 37	134	19 37	1030	968	7 28	62	481	1·72	1	83·3
24	16 11	1051	894	11 11	157	15 38	790	671	19 19	119	16 5	1039	940	3 50	99	486	1·74	2	83·3
25	18 51	1036	918	13 54	118	13 39	757	698	19 58	59	19 55	1012	941	23 20	71	224	0·80	1	83·3
26	20 10	1076	908	4 54	168	6 26	782	661	0 45	121	17 55	1010	880	2 10	130	598	2·14	2	83·3
27	21 3	1054	896	7 31	158	16 28	767	666	20 53	101	17 25	1020	956	0 1	64	393	1·40	1	83·3
28	20 5	1027	931	11 39	96	13 11	752	698	7 42	54	19 21	1004	955	2 35	49	145	0·52	0	83·2
29	21 23	1053	927	9 38	126	12 48	783	700	20 2	83	17 10	1015	970	11 28	45	248	0·89	1	83·2
30	16 48	1024	935	13 54	89	12 43	772	698	8 10	74	18 12	1007	971	11 50	36	147	0·53	0	83·3
Mean.	—	1040	933	—	106	—	771	680	—	91	—	1018	958	—	60	279	—	0·83	83·4
No. of Days used	—	30	30	—	30	—	30	30	—	30	—	30	30	—	30	30	—	30	30

* For explanation *see* page 83.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

TERRESTRIAL MAGNETIC FORCE: NORTH COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

213. Eskdalemuir. (X.) 15,000 γ (·15 C.G.S. unit) + **May, 1922.**

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	996	989	990	989	991	993	990	987	979	969	965	964	960	964	975	993	997	1002	1000	1001	998	998	997	998	993	987
2 Q	993	991	989	989	993	994	993	988	984	979	969	964	961	969	978	984	989	994	994	998	994	997	995	995	998	987
3 Q	998	998	994	994	993	994	993	989	984	978	971	973	970	970	974	979	989	988	1002	1000	999	998	994	994	991	988
4	994	996	998	994	994	994	994	993	989	983	975	969	971	970	972	973	980	1001	1009	1008	1007	1004	1004	1003	1018	991
5	1018	1003	999	999	1003	1003	995	993	998	986	979	970	976	975	979	993	989	1009	1023	1013	1014	995	994	1013	1018	997
6	1018	989	993	997	988	996	993	969	965	964	963	954	941	971	974	980	981	990	1003	1008	1002	998	993	998	994	984
7 D	994	998	995	1003	998	996	985	975	971	944	971	974	972	949	969	985	979	1004	1027	1021	1014	1003	974	994	984	986
8 D	984	929	941	989	994	945	983	979	959	950	931	935	925	969	977	983	996	983	1013	1009	1003	993	1004	974	999	**973**
9 D	969	978	989	984	979	979	979	980	985	983	969	964	950	935	948	960	965	1000	999	1037	1024	1002	994	994	994	981
10	995	984	971	989	969	965	980	981	931	942	980	970	956	960	972	976	975	990	1024	1035	995	989	990	1020	975	980
11	975	976	976	967	986	987	986	985	980	975	964	961	965	961	965	979	981	994	996	999	999	1000	1004	990	990	982
12	991	986	990	991	991	991	991	995	991	976	962	961	962	966	975	981	996	996	1000	996	1001	1000	1001	1010	1000	988
13	1001	996	997	988	997	998	982	988	1001	994	972	962	962	972	982	983	988	1001	1001	1005	1006	998	993	992	996	990
14	997	998	1007	998	999	1004	1003	993	997	985	974	965	958	967	977	983	988	997	997	1003	1008	1007	1003	1002	999	992
15 Q	999	998	994	997	993	997	994	993	990	978	962	953	954	963	972	992	997	998	999	1004	1006	1005	1003	1004	1007	990
16 D	1008	995	999	998	1004	1008	1008	1000	990	980	972	970	977	965	983	1008	1019	999	1023	1041	1039	981	970	1018	993	997
17	994	990	1000	1004	999	995	989	974	975	962	950	966	964	965	975	980	996	1015	1014	1004	1014	1000	999	1008	1001	989
18	1002	996	996	991	995	995	991	991	982	962	961	962	970	981	982	995	991	1001	1016	1020	1002	1005	1001	1000	1005	991
19	1006	997	997	1002	1007	1022	1010	996	982	976	969	967	967	977	977	992	1011	1011	1013	1011	1009	1006	1017	992	1003	996
20	1005	1004	995	999	1000	1006	1004	999	989	985	974	973	974	979	989	1005	1008	1004	1018	1023	1029	1019	1015	1018	1018	1001
21 D	1019	1010	1015	1024	1035	1035	1004	1006	1005	985	966	965	976	971	1004	981	994	1026	1023	1020	1029	1010	1009	1018	1030	1006
22	1031	1030	1006	1000	991	995	1005	1010	1006	991	961	971	973	975	981	992	996	1006	1025	1024	1026	1017	996	1014	1007	1000
23	1008	1007	1007	1003	1002	1002	973	959	981	985	984	977	979	968	987	1001	1016	1021	1031	1023	1036	1016	1013	1010	1016	1000
24	1016	1002	1002	1008	1012	1011	1007	998	987	957	967	977	982	985	1002	991	1002	1022	1013	1021	1020	1021	1010	1007	1012	1001
25	1013	1006	1003	1007	1008	1012	1006	988	988	984	978	975	978	989	997	1023	1013	1012	1032	1049	1015	1012	1012	1004	998	1004
26	998	998	998	1001	1008	1008	1009	1008	999	965	968	977	969	984	1004	987	989	1019	1028	1016	1021	1017	1018	1033	994	1001
27	995	1000	999	985	998	984	1009	1010	993	982	980	973	988	979	1004	1011	1012	1013	1017	1018	1028	1037	1018	1010	1009	1002
28	1009	1003	1005	1013	1013	1009	1009	1003	990	989	985	980	966	985	999	1008	1004	1014	1017	1018	1019	1019	1013	1008	1008	1003
29	1009	1009	1008	1009	1010	1015	1014	1010	1002	995	981	975	971	980	990	1005	1014	1021	1034	1029	1022	1018	1016	1017	1015	**1007**
30 Q	1015	1012	1008	1006	1005	1015	1014	1009	995	987	980	978	982	986	989	999	1009	1014	1020	1022	1017	1014	1010	1005	1010	1004
31 Q	1011	1011	1015	1016	1020	1016	1015	1011	1005	991	981	973	977	986	995	1006	1008	1016	1024	1025	1022	1016	1015	1015	1015	**1007**
Mean.	1002	996	996	998	999	999	997	992	986	976	970	968	**967**	971	982	991	996	1004	1014	**1016**	1013	1006	1002	1004	1002	994

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

214. Eskdalemuir. (—Y.) 4,000 γ (·04 C.G.S. unit) + **May, 1922.**

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	726	730	731	725	724	721	720	717	710	709	711	720	735	745	749	751	742	741	736	735	731	725	727	720	723	728
2 Q	723	724	721	724	721	719	714	709	709	714	719	726	741	748	753	752	751	743	736	736	733	735	731	724	725	729
3 Q	725	725	727	724	720	716	713	711	714	714	720	724	730	736	741	746	746	740	736	736	735	736	732	730	730	728
4	730	730	730	725	721	716	714	711	711	720	722	728	740	746	746	741	740	745	742	740	737	737	737	731	716	731
5	716	700	705	711	712	703	708	711	714	714	725	729	741	741	742	746	736	742	742	741	732	704	714	727	708	723
6	708	706	720	715	720	719	709	709	716	734	731	740	751	747	749	745	736	735	736	731	731	705	714	724	722	727
7 D	722	735	720	710	720	720	720	720	712	731	736	742	752	748	762	764	747	756	762	750	741	724	671	645	635	728
8 D	635	644	683	709	703	741	715	709	709	705	721	735	743	751	746	741	748	715	736	725	732	703	682	682	686	**714**
9 D	686	703	700	709	704	703	699	692	698	704	714	729	747	759	768	762	754	746	731	725	725	688	640	667	700	715
10	700	709	749	711	704	710	704	749	705	722	725	730	737	745	748	748	751	746	746	696	699	714	730	690	680	723
11	681	742	724	725	721	706	710	709	710	705	711	718	737	747	746	744	743	741	736	731	731	720	720	724	724	725
12	724	731	741	716	715	711	720	716	710	704	710	720	734	747	757	755	757	747	742	732	732	730	720	712	710	728
13	710	715	715	726	725	715	710	714	701	700	715	726	742	757	763	758	754	750	742	736	735	721	721	725	726	729
14	726	725	728	715	718	710	705	705	699	693	699	711	727	744	753	759	757	752	741	731	715	705	715	709	720	722
15 Q	720	712	716	726	726	721	709	704	700	704	714	724	743	762	763	758	751	738	731	732	729	726	726	726	737	728
16 D	737	721	722	726	723	715	711	707	704	702	708	720	748	753	764	774	789	753	760	715	667	689	693	682	683	723
17	683	697	699	699	699	704	708	702	698	696	710	730	752	763	760	748	742	746	741	721	725	725	726	722	721	721
18	721	722	721	725	724	715	709	707	705	707	718	731	738	742	741	741	737	737	738	732	730	733	731	731	714	726
19	714	718	715	705	691	705	694	702	705	708	716	736	742	757	749	752	755	742	741	738	737	733	720	711	730	725
20	730	724	718	715	710	705	705	709	709	710	716	726	737	747	748	752	747	739	745	742	747	738	737	737	739	729
21 D	730	719	699	673	689	699	709	715	722	715	722	748	765	769	773	769	765	769	750	743	741	723	731	739	731	**732**
22	731	710	725	716	720	716	705	704	697	705	706	725	742	750	753	752	746	741	741	738	737	719	710	717	717	725
23	717	731	729	727	731	716	709	723	709	706	710	726	742	742	749	741	742	741	742	730	710	723	731	732	731	728
24	731	721	726	716	716	714	710	712	709	716	722	738	747	742	745	738	731	732	737	737	732	725	727	732	730	727
25	730	731	725	721	716	707	702	701	704	712	724	738	752	762	758	742	739	741	721	726	731	731	732	729	730	728
26	730	726	725	721	719	710	705	709	705	699	728	732	752	753	758	748	726	737	737	737	735	731	732	731	709	728
27	706	726	720	731	741	731	710	705	709	709	720	731	742	746	747	746	741	732	731	731	731	721	731	707	710	727
28	710	732	726	717	720	720	717	706	699	697	700	718	730	742	749	757	750	747	738	732	732	723	721	729	726	720
29	726	727	731	733	715	705	704	704	709	705	707	716	726	741	742	748	747	746	744	737	732	731	733	730	725	727
30 Q	725	725	717	712	718	721	708	702	695	695	705	725	738	747	747	744	742	741	737	736	731	731	739	729	729	725
31 Q	726	726	728	732	727	720	708	693	691	694	707	725	736	748	752	748	742	742	741	741	737	732	734	736	739	727
Mean.	716	719	721	717	717	714	709	709	**706**	708	716	728	742	749	**752**	751	747	743	740	733	729	722	719	717	716	726

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

215. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit) + **May, 1922.**

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	993	993	991	993	997	994	994	993	993	990	989	987	984	982	988	993	997	999	1001	1001	1000	998	997	995	994	994
2 Q	995	997	998	998	998	999	1002	1001	997	991	989	986	985	985	990	994	997	1002	1002	1000	998	997	997	998	994	996
3 Q	996	996	996	996	1000	1000	1000	1000	996	994	991	987	984	983	985	991	996	1000	1000	1001	1000	998	998	996	996	995
4	998	998	996	998	998	1001	998	994	990	982	978	978	976	978	985	993	998	999	1001	999	998	998	998	998	991	993
5	992	985	988	991	996	998	995	991	987	983	983	983	982	986	988	992	995	999	1004	1010	1012	1015	1003	987	978	993
6	979	981	988	992	995	994	995	992	988	980	979	976	978	981	989	993	996	1000	1000	1005	1007	1010	1007	1000	1000	992
7 D	1002	992	986	982	973	965	966	973	979	985	982	978	978	991	1001	1007	1019	1010	1007	1018	1011	978	954	941	906	985
8 D	907	880	869	902	933	930	947	979	990	991	991	992	991	991	995	1002	1007	1029	1036	1036	1024	1016	979	967	970	**976**
9 D	972	960	961	981	993	998	1001	1001	1000	996	989	988	988	1001	1013	1025	1029	1038	1042	1029	1013	1005	956	969	987	998
10	989	992	978	975	983	983	991	993	993	991	991	991	992	998	1004	1014	1015	1015	1024	1036	1034	1019	979	962	959	997
11	960	950	973	976	980	995	999	1002	1004	999	997	995	998	1003	1012	1015	1012	1012	1012	1017	1017	1008	1004	1001	1004	998
12	1006	1006	994	1002	1006	1005	1005	1005	1006	1007	1002	994	990	994	1001	1002	1005	1010	1014	1017	1014	1014	1013	1007	1005	1005
13	1007	1008	1006	1006	1000	998	1000	999	1003	1004	1003	998	996	996	1002	1008	1012	1016	1019	1020	1020	1020	1017	1015	1012	1007
14	1014	1014	1010	1010	1011	1012	1012	1012	1010	1011	1010	1009	1006	1006	1006	1009	1015	1022	1026	1027	1027	1022	1014	1011	1009	1014
15 Q	1012	1010	1010	1010	1014	1017	1019	1018	1015	1012	1005	1004	999	1001	1008	1013	1021	1028	1027	1025	1025	1022	1023	1013	1001	1014
16 D	1002	1006	1011	1014	1014	1018	1018	1018	1018	1013	1006	1002	998	1002	1002	1011	1022	1042	1042	1075	1051	1051	1010	965	966	1016
17	967	959	974	974	979	994	1002	1006	1008	1007	1010	1011	1008	1007	1015	1019	1019	1023	1031	1039	1035	1027	1023	1015	1010	1007
18	1011	1015	1016	1016	1015	1018	1018	1020	1020	1017	1008	1000	996	1003	1012	1020	1024	1028	1032	1030	1029	1024	1024	1020	1008	1017
19	1010	1010	1014	1014	1010	1002	1002	1006	1010	1013	1008	1006	1006	1009	1015	1018	1022	1029	1031	1026	1026	1026	1021	1021	1017	1015
20	1019	1008	1013	1019	1020	1020	1020	1020	1020	1020	1016	1015	1016	1017	1024	1026	1031	1033	1030	1028	1024	1028	1028	1024	1020	1022
21 D	1021	1020	1009	988	992	999	1001	1003	1001	1006	1007	1004	1003	1005	1013	1029	1044	1055	1070	1062	1046	1042	1035	1026	1004	1020
22	1005	993	994	1006	1006	1010	1018	1021	1024	1021	1022	1022	1020	1021	1021	1026	1034	1037	1038	1039	1039	1038	1034	1022	1023	1022
23	1024	1023	1023	1024	1027	1028	1027	1020	1019	1015	1015	1015	1018	1023	1027	1034	1035	1039	1040	1047	1046	1039	1031	1026	1011	1027
24	1012	997	999	1012	1020	1020	1026	1024	1023	1022	1016	1011	1012	1023	1032	1039	1044	1041	1037	1036	1036	1036	1032	1029	1025	1024
25	1026	1025	1028	1029	1030	1032	1033	1029	1022	1010	1002	1006	1012	1017	1029	1039	1042	1045	1053	1046	1042	1037	1029	1025	1025	1029
26	1026	1029	1030	1033	1032	1030	1026	1023	1022	1020	1016	1014	1014	1022	1027	1047	1060	1054	1050	1045	1038	1038	1030	1018	1014	1031
27	1015	1007	1002	1002	1006	1002	1011	1023	1024	1024	1022	1019	1018	1023	1028	1032	1037	1038	1036	1035	1035	1033	1027	1027	1023	1022
28	1024	1021	1024	1028	1028	1027	1027	1031	1030	1024	1020	1016	1016	1027	1029	1032	1037	1040	1040	1040	1037	1037	1034	1032	1032	1029
29	1033	1033	1033	1030	1033	1033	1033	1033	1030	1027	1025	1023	1025	1029	1029	1033	1037	1037	1037	1037	1037	1034	1033	1033	1029	1032
30 Q	1030	1030	1031	1034	1034	1034	1032	1036	1038	1036	1028	1024	1023	1027	1030	1034	1038	1039	1040	1042	1040	1035	1034	1033	1034	**1034**
31 Q	1034	1034	1034	1034	1034	1035	1034	1031	1034	1034	1030	1024	1018	1018	1026	1030	1034	1035	1038	1037	1034	1034	1033	1033	1032	1032
Mean.	1003	1002	**999**	**999**	1005	1006	1008	1010	1009	1007	1004	1002	1001	1005	1011	1017	1022	1026	1028	**1029**	1026	1022	1013	1007	1003	1011

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

216. Eskdalemuir. **May, 1922.**

Day.	Terrestrial Magnetic Force.																Character Figures.*		Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +.
	North Component.					West Component.					Vertical Component.									
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range.	Maximum 4,000 γ +		Minimum 4,000 γ +		Range.	Maximum 44,000 γ +		Minimum 44,000 γ +		Range.	ΣR^2	ρ		
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ		$1007\gamma^2$			*a.*
1	22 29	1005	959	12 5	46	14 50	756	704	8 20	52	18 39	1002	981	12 50	21	53	0·24	0	83·3
2	21 0 / 22 0	998	959	12 19	**39**	13 31	753	708	6 53	45	18 20	1002	983	12 40	19	39	0·18	0	83·3
3	18 18	1008	968	12 12	40	16 3	748	709	6 8	**39**	18 34	1003	983	12 40	20	35	0·16	0	83·3
4	23 49	1023	959	11 13	64	13 10	752	703	7 50	49	18 10	1002	974	12 31	28	73	0·33	0	83·2
5	18 39	1037	965	10 55	72	18 38	753	695	21 10	58	20 40	1019	975	23 37	44	105	0·48	0	83·2
6	0 5	1023	924	11 25	99	13 21	762	696	6 24	66	20 52	1011	975	11 3	36	155	0·70	0	83·2
7	19 45	1072	931	8 58	141	15 25	779	624	23 14	155	19 16	1024	905	23 56	119	581	2·63	2	83·2
8	19 41	1024	**900**	1 52	124	12 45	762	**599**	0 14	163	18 40	1039	**853**	1 22	**186**	765	3·46	2	83·2
9	19 34	**1125**	919	13 33	**206**	14 5	776	621	21 52	155	18 3	1046	946	21 42	100	765	3·46	2	83·2
10	18 53	1045	916	8 38	129	1 41	763	650	24 0	113	19 14	1039	946	22 30	93	381	1·72	1	83·2
11	21 17	1029	930	0 15	99	0 35	763	652	0 1	111	19 19	1017	942	0 40	75	277	1·25	1	83·1
12	22 31	1025	956	11 0	69	13 55	762	700	8 58	62	19 5	1018	990	12 0	28	94	0·42	0	83·3
13	18 57	1011	956	11 46	55	13 51	764	696	8 25	68	20 38	1021	995	12 35	26	83	0·38	0	83·3
14	20 0	1018	949	12 10	69	15 4	763	689	8 58	74	19 42	1030	1005	13 20	25	109	0·49	0	83·3
15	23 35	1017	952	12 0	65	13 16	767	697	8 25	70	17 31	1029	997	11 51	32	101	0·46	0	83·3
16	19 28	1088	944	17 0	144	15 58	**809**	634	23 23	**175**	19 11	**1112**	959	22 54	153	748	3·38	2	83·3
17	0 16	1053	941	10 0	112	13 35	770	652	0 1	118	19 30	1043	950	0 25	93	351	1·59	1	83·3
18	18 53	1030	955	9 30	75	23 16	747	699	8 36	48	18 40	1033	994	12 12	39	95	0·43	0	83·4
19	16 42	1041	962	10 58	79	16 40	765	688	4 15	77	17 30	1034	998	5 22	36	135	0·61	1	83·4
20	20 35	1047	965	10 59	82	15 6	757	704	5 3	53	17 21	1035	1008	1 5	27	103	0·46	0	83·4
21	4 42	1046	936	12 25	110	15 36	787	657	3 30	130	17 53	1073	984	3 21	89	369	1·67	1	83·4
22	1 3	1065	952	10 10	113	14 22	758	686	0 54	72	19 40	1042	989	0 28	53	208	0·94	1	83·5
23	20 2	1050	948	6 48	102	14 31	763	692	8 22	71	19 38	1048	1014	9 45	34	166	0·75	1	83·5
24	17 14	1040	943	9 12	97	12 13	758	695	7 41	63	16 23	1044	992	1 22	52	161	0·73	1	83·5
25	18 44	1081	963	14 20	118	13 57	774	690	6 39	84	18 20	1054	1000	10 15	54	239	1·08	1	83·5
26	23 0	1056	934	15 19	122	15 0	770	689	9 37	81	16 6	1065	1013	11 10	52	241	1·09	1	83·5
27	20 53	1043	959	4 40	84	12 52	753	699	7 0	54	16 50	1039	998	1 40	41	117	0·53	0	83·5
28	20 52	1024	959	12 20	65	15 12	758	694	9 2	64	17 22	1041	1014	11 35	27	91	0·41	0	83·5
29	18 18	1039	970	12 20	69	25 10	752	700	6 50	52	19 30	1038	1021	11 22	17	78	0·35	0	83·5
30	18 37	1029	976	11 28	53	14 1	747	693	8 40	54	19 0	1042	1026	11 45	**16**	60	0·27	0	83·6
31	18 19	1030	971	11 31	59	13 50	753	689	8 9	64	17 40	1039	1014	12 15	25	82	0·37	0	83·6
Mean.	—	1039	949	—	90	—	763	681	—	82	—	1035	981	—	54	221	—	0·58	83·4
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31	31	—	31	31

* For explanation *see* page 83. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

TERRESTRIAL MAGNETIC FORCE: NORTH COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

217. Eskdalemuir. (X.) **June, 1922.**

15,000 γ (·15 C.G.S. unit) +

Hour. G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1015	1013	1012	1014	1018	1015	1015	1016	1015	1014	1000	991	990	987	994	995	1009	1017	1028	1038	1036	1036	1038	1035	1035	1015
2	1035	1032	1025	1030	1034	1029	1014	1013	1013	1010	996	983	985	991	990	1001	1026	1037	1051	1041	1020	1015	1011	1039	1016	1017
3 D	1017	991	1012	1012	1003	1004	1006	1002	993	987	984	982	986	1001	1006	1012	1051	1055	1023	1021	1018	1027	1002	1002	1002	1008
4	1002	1002	1006	1012	1012	1012	1008	997	991	986	963	962	977	983	990	1001	1013	1021	1031	1031	1033	1037	1021	1021	1011	1005
5 D	1012	1005	1018	1021	1002	1018	1008	979	968	940	979	988	962	993	993	1002	1028	1041	1072	1047	1042	1023	1017	1026	1004	1008
6	1004	1008	1013	1008	998	999	983	1003	999	993	984	978	969	978	997	1009	1022	1036	1047	1033	1031	1057	1006	1003	1003	1007
7	1003	1002	1003	1008	1003	989	1002	998	989	984	983	984	984	987	1003	1008	1012	1022	1023	1033	1013	1021	1017	1013	1018	**1004**
8	1018	1012	1013	1010	1013	1010	1003	998	989	978	968	968	973	983	1000	1008	1022	1019	1023	1023	1042	1028	1021	1013	1021	1006
9	1022	1026	1021	1018	1022	1019	1014	1009	990	974	974	974	978	982	985	1000	1007	1022	1023	1024	1021	1017	1014	1013	1016	1006
10 Q	1016	1017	1019	1014	1014	1014	1009	999	993	984	974	975	983	990	999	1009	1018	1023	1023	1019	1018	1024	1018	1015	1014	1007
11 Q	1015	1019	1010	1011	1015	1017	1015	1010	1000	986	980	976	984	994	1010	1014	1015	1025	1024	1035	1029	1029	1023	1021	1022	1011
12	1023	1020	1017	1017	1006	997	1016	1021	1020	996	977	981	986	988	990	1001	1008	1020	1035	1040	1044	1025	1025	1021	1024	1011
13	1025	1012	1012	1011	1018	1020	1012	1007	997	990	977	978	979	992	1002	1017	1021	1035	1041	1028	1031	1021	1012	1035	1020	1011
14	1020	1032	1027	1021	1012	1011	1008	999	987	986	977	977	982	988	998	1008	1013	1017	1021	1022	1021	1020	1016	1012	1012	1007
15 Q	1013	1013	1012	1009	1013	1013	1017	1013	1004	1000	993	982	973	977	994	1003	1017	1018	1022	1022	1018	1018	1022	1017	1022	1008
16 D	1023	1009	1013	1014	1018	1018	1018	1009	1000	986	984	989	994	1000	1011	1019	1025	1054	1054	1096	1033	1034	1032	1033	1029	1020
17	1030	1021	1020	1015	1009	1010	1014	1014	1004	995	986	982	990	976	980	1024	1014	1025	1034	1036	1034	1034	1024	1026	1035	1013
18	1036	1035	1027	999	1036	1032	1025	1002	995	1002	1005	1001	992	996	1001	1000	1017	1016	1045	1035	1030	1026	1036	1020	1020	1017
19	1021	1021	1021	1026	1027	1032	1027	1022	1011	997	987	992	992	998	1017	1002	1023	1036	1026	1027	1027	1032	1022	1022	1022	1017
20	1022	1021	1018	1017	1017	1021	1008	1007	1009	1005	994	987	974	988	992	1025	1031	1034	1036	1037	1036	1023	1026	1024	1027	1015
21	1028	1031	1023	1020	1014	1022	1023	1018	1008	1003	988	988	993	994	1002	1019	1037	1028	1027	1028	1029	1028	1026	1024	1018	1017
22	1019	1014	1018	1018	1020	1026	1016	1004	1003	1004	1001	999	994	1001	1014	1035	1049	1038	1048	1020	1024	1019	1019	1023	1019	1018
23	1019	1020	1019	1020	1020	1024	1019	1010	994	992	1003	1004	1001	1004	1029	1019	1018	1033	1044	1040	1037	1029	1028	1028	1022	1019
24 Q	1022	1024	1023	1020	1017	1014	1010	1008	1000	987	984	983	984	993	1008	1024	1029	1037	1043	1033	1028	1024	1023	1023	1023	1014
25 Q	1024	1025	1024	1025	1025	1024	1020	1010	1005	996	990	990	998	1010	1024	1025	1027	1029	1049	1030	1032	1037	1035	1035	1032	1021
26	1032	1030	1027	1029	1030	1029	1021	1015	1006	1005	995	989	1000	1006	1025	1030	1029	1030	1035	1040	1037	1036	1036	1030	1029	**1023**
27	1029	1025	1024	1025	1032	1030	1015	1001	1024	1011	985	982	983	994	1004	1014	1025	1015	1016	1033	1029	1034	1016	1018	1020	1015
28	1021	1018	1022	1019	1030	1033	1022	1021	1018	1006	1001	985	986	991	1005	1011	1035	1022	1040	1045	1056	1026	1020	1027	1026	1019
29 D	1026	1007	1007	1047	1040	1036	1027	1015	1001	979	932	952	993	1006	1021	1015	1022	1039	1045	1045	1056	1036	1021	1006	1016	1015
30 D	1017	1011	1012	1022	1022	1022	1013	1013	1003	986	945	953	973	1001	1013	1018	1022	1031	1023	1036	1045	1018	1018	1004	1030	1010
Mean.	1020	1017	1017	1018	1018	1018	1014	1008	1001	992	983	**982**	985	992	1003	1012	1023	1029	**1035**	**1035**	1032	1028	1021	1021	1020	1013

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

218. Eskdalemuir. (—Y.) **June, 1922.**

4,000 γ (·04 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	730	726	726	730	726	716	710	712	711	710	711	719	736	746	753	752	747	746	744	744	742	739	739	735	728	731
2	728	726	723	726	718	709	691	703	705	711	722	736	752	768	763	768	780	775	757	748	741	730	717	683	689	**732**
3 D	689	689	679	709	720	735	726	716	700	703	710	720	731	747	758	764	763	752	753	750	738	710	703	704	704	724
4	705	716	722	727	708	701	692	699	706	704	710	718	732	739	737	736	743	743	743	743	733	716	706	716	704	721
5 D	704	738	727	706	706	716	701	692	702	700	716	732	743	752	750	737	743	726	719	734	738	725	741	716	733	724
6	733	727	700	701	708	706	702	706	700	700	717	735	743	748	753	747	748	749	715	737	727	717	709	725	742	723
7	742	727	717	711	714	721	710	697	698	701	712	720	728	735	747	745	746	743	734	733	729	730	720	707	708	723
8	709	717	717	717	709	701	697	701	703	712	720	733	742	744	744	742	743	738	740	738	735	724	723	727	740	725
9	740	704	697	701	708	702	702	707	701	700	707	717	730	743	749	749	744	745	737	732	724	722	727	728	726	721
10 Q	726	731	724	719	716	710	702	697	694	700	713	723	739	749	754	755	749	743	736	733	733	731	724	726	724	726
11 Q	725	723	719	718	716	708	702	702	696	697	705	718	742	754	755	752	747	741	739	745	735	724	733	734	729	726
12	729	727	725	723	718	722	735	713	708	712	720	734	740	749	755	755	750	746	745	745	744	738	722	722	723	**732**
13	723	719	718	720	721	710	699	703	708	708	711	726	741	750	755	761	760	760	755	737	737	728	718	709	708	728
14	708	712	709	702	696	697	698	687	696	702	708	727	739	744	743	739	738	734	739	735	730	728	723	724	723	**719**
15 Q	723	723	722	718	718	718	712	705	702	708	712	722	730	739	745	745	745	739	735	732	728	728	729	723	702	725
16 D	703	702	713	714	714	705	703	698	693	697	713	719	735	745	752	753	751	767	765	774	719	714	731	743	740	727
17	740	742	736	693	703	703	703	698	698	701	715	727	751	758	756	762	757	751	748	747	747	731	721	718	703	729
18	703	709	699	736	719	709	700	697	713	715	717	724	730	732	742	742	746	735	730	735	734	729	723	724	724	723
19	725	723	730	729	720	710	702	699	704	706	716	722	733	740	751	749	746	746	738	737	736	729	732	730	731	727
20	731	731	731	722	715	710	709	716	705	708	709	720	732	741	746	748	741	743	742	740	739	735	736	739	741	729
21	741	730	720	722	729	715	713	710	710	711	716	721	731	741	746	747	746	738	739	737	736	732	729	731	727	729
22	727	726	731	732	724	715	710	705	699	703	714	726	740	743	747	757	759	752	737	736	732	730	729	731	727	729
23	727	732	725	715	710	709	699	700	703	713	715	725	742	752	705	752	748	749	747	725	727	735	735	730	731	728
24 Q	731	740	731	718	720	710	698	690	693	698	705	716	735	743	743	741	741	742	741	736	731	732	732	731	727	725
25 Q	727	725	723	721	720	715	705	704	705	708	711	725	746	755	758	756	752	747	756	741	738	740	737	732	725	731
26	725	727	722	718	712	704	699	699	703	705	717	730	748	752	752	746	737	736	736	738	742	741	739	731	728	728
27	728	720	716	715	714	704	689	722	728	720	716	727	739	751	703	704	759	752	741	741	730	713	725	721	723	729
28	723	726	721	732	725	714	710	715	709	713	714	721	737	749	759	761	764	752	756	754	725	711	720	720	711	730
29 D	711	698	666	694	698	694	697	698	693	697	710	736	741	746	763	773	761	758	755	748	744	698	683	698	694	**719**
30 D	694	709	721	716	703	694	695	694	699	696	720	731	735	768	779	759	774	763	726	747	741	736	699	710	720	726
Mean.	722	721	717	717	714	709	704	**703**	**703**	705	713	725	738	747	**753**	752	751	747	742	741	734	727	723	722	721	726

Q denotes an " International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

219. Eskdalemuir. (Z.) **June, 1922.**

44,000 γ (·44 C.G.S. unit) +

Hour. G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1032	1033	1033	1034	1034	1034	1034	1034	1034	1030	1023	1019	1015	1017	1015	1018	1023	1026	1030	1033	1030	1028	1026	1026	1027	1027
2	1028	1028	1030	1030	1031	1031	1032	1031	1027	1024	1022	1019	1018	1023	1031	1031	1036	1056	1068	1063	1063	1052	1036	1014	1003	1034
3 D	1004	975	984	1008	1007	997	1000	1011	1020	1021	1024	1023	1020	1020	1033	1038	1050	1059	1057	1054	1053	1047	1034	1032	1031	**1024**
4	1031	1031	1029	1020	1020	1024	1028	1032	1033	1032	1035	1035	1032	1031	1032	1038	1040	1040	1037	1040	1040	1040	1036	1028	1021	1032
5 D	1022	1012	1005	1009	1018	1019	1017	1018	1018	1021	1021	1017	1021	1032	1029	1035	1037	1051	1054	1055	1032	1038	1017	1017	1005	1025
6	1006	985	1002	1014	1018	1022	1019	1018	1022	1022	1022	1019	1022	1026	1030	1039	1044	1052	1063	1054	1047	1034	1034	1031	1020	1027
7	1020	1002	1017	1022	1022	1020	1024	1031	1034	1031	1030	1030	1030	1030	1031	1035	1035	1038	1042	1043	1043	1039	1039	1040	1034	1031
8	1035	1032	1035	1035	1035	1038	1036	1036	1036	1033	1029	1027	1028	1035	1035	1039	1044	1047	1041	1040	1039	1035	1036	1035	1015	1035
9	1016	1015	1017	1021	1028	1029	1030	1031	1032	1032	1028	1024	1021	1028	1033	1043	1045	1044	1044	1043	1045	1044	1043	1041	1039	1033
10 Q	1039	1032	1028	1032	1037	1040	1039	1037	1036	1035	1028	1025	1024	1030	1036	1035	1037	1040	1041	1044	1044	1040	1037	1037	1036	1035
11 Q	1036	1034	1036	1040	1044	1044	1041	1040	1040	1040	1038	1030	1028	1029	1032	1037	1044	1045	1047	1046	1048	1048	1044	1041	1040	1040
12	1041	1042	1042	1045	1045	1042	1025	1021	1025	1028	1029	1029	1033	1033	1034	1034	1041	1041	1049	1053	1051	1046	1034	1034	1032	1037
13	1032	1037	1038	1040	1035	1029	1030	1033	1036	1032	1029	1026	1022	1028	1034	1041	1049	1050	1058	1062	1057	1054	1050	1033	1024	1039
14	1025	1027	1030	1026	1031	1037	1038	1038	1037	1031	1030	1026	1024	1029	1034	1039	1039	1042	1042	1042	1043	1045	1044	1043	1042	1035
15 Q	1042	1042	1042	1043	1042	1042	1038	1038	1039	1038	1037	1034	1030	1030	1033	1039	1042	1039	1042	1046	1046	1046	1043	1042	1042	1040
16 D	1042	1042	1040	1042	1046	1046	1046	1043	1041	1034	1025	1026	1023	1025	1026	1030	1036	1032	1033	1047	1083	1078	1055	1046	1038	1041
17	1039	986	965	1006	1029	1040	1047	1047	1047	1043	1035	1031	1027	1031	1036	1040	1060	1075	1074	1062	1056	1051	1043	1027	1011	1037
18	1011	1022	1022	1014	1012	1026	1031	1040	1043	1042	1034	1031	1035	1039	1042	1044	1049	1060	1067	1067	1064	1059	1047	1037	1043	1040
19	1043	1044	1043	1041	1042	1043	1047	1047	1047	1047	1039	1035	1036	1041	1047	1052	1051	1055	1059	1056	1055	1052	1049	1048	1047	1047
20	1048	1048	1048	1049	1052	1052	1051	1044	1044	1037	1040	1039	1037	1041	1044	1049	1056	1054	1052	1050	1052	1052	1051	1049	1044	1047
21	1044	1033	1036	1041	1044	1044	1044	1044	1041	1040	1040	1036	1036	1039	1038	1044	1052	1061	1060	1054	1052	1052	1052	1048	1048	1045
22	1048	1046	1045	1048	1046	1046	1044	1045	1044	1041	1040	1038	1040	1044	1048	1048	1052	1061	1069	1065	1061	1056	1052	1048	1044	1049
23	1045	1042	1042	1049	1052	1052	1050	1049	1049	1044	1040	1037	1031	1034	1041	1049	1053	1055	1057	1068	1066	1057	1052	1049	1046	1049
24 Q	1046	1038	1035	1039	1045	1045	1045	1045	1045	1042	1041	1040	1037	1036	1037	1042	1051	1053	1053	1053	1053	1051	1049	1049	1049	1045
25 Q	1049	1049	1049	1050	1049	1049	1049	1049	1049	1043	1037	1033	1033	1037	1036	1034	1044	1050	1050	1053	1053	1049	1049	1049	1049	1046
26	1049	1049	1049	1050	1050	1050	1051	1049	1044	1032	1022	1025	1026	1033	1042	1046	1049	1049	1049	1047	1049	1047	1047	1049	1049	1044
27	1049	1049	1050	1050	1049	1050	1051	1041	1034	1037	1041	1041	1037	1040	1045	1052	1058	1070	1074	1070	1066	1062	1052	1049	1045	1051
28	1045	1046	1046	1046	1043	1044	1045	1041	1041	1041	1034	1033	1034	1037	1045	1053	1057	1063	1062	1062	1065	1062	1055	1055	1051	1048
29 D	1051	1021	991	1018	1034	1042	1045	1045	1049	1046	1042	1038	1035	1034	1038	1053	1062	1061	1059	1062	1065	1045	1041	1033	1033	1042
30 D	1033	1038	1044	1045	1044	1037	1042	1049	1050	1049	1049	1049	1049	1057	1077	1091	1074	1079	1083	1078	1073	1042	1042	1010	1007	**1053**
Mean.	1035	**1029**	**1029**	1034	1036	1037	1037	1038	1038	1036	1033	1031	**1029**	1033	1037	1042	1047	1052	**1054**	**1054**	1053	1048	1043	1038	1034	1039

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

220. Eskdalemuir. **June, 1922.**

Day.	Terrestrial Magnetic Force.												Character Figures.*		Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +.
	North Component.					West Component.				Vertical Component.						
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range.	Maximum 4,000 γ +		Minimum 4,000 γ +		Range.	Maximum 44,000 γ +		Minimum 44,000 γ +		Range.	ΣR^2.	ρ		
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	$100\gamma^2$			*a*.
1	21 20	1045	981	13 31	64	14 54	757	709	5 39	48	5 35	1036	1015	12 0	21	68	0·32	0	83·6
2	18 31	1094	958	11 28	136	14 14	790	676	23 20	114	17 57	1071	1015	11 58	56	346	1·61	1	83·5
3	16 28	1080	951	0 49	129	15 49	784	646	1 17	138	16 30	1061	**939**	1 11	122	507	2·35	2	83·5
4	20 29	1065	952	10 38	113	13 45	748	688	5 59	60	20 20	1042	1018	3 30	24	169	0·79	1	83·5
5	17 39	**1123**	929	9 35	194	19 30	778	678	6 28	100	17 21	1058	1001	1 48	57	509	2·37	2	83·5
6	20 38	1082	950	12 10	132	14 21	769	690	1 49	79	18 0	1066	1001	0 50	85	309	1·44	1	83·5
7	18 13	1036	969	9 12	67	14 39	758	694	3 1	64	19 30	1044	997	0 58	47	108	0·50	1	83·6
8	20 11	1057	963	11 1	94	23 42	759	695	5 51	64	16 48	1047	1011	24 0	36	142	0·66	0	83·6
9	1 26	1033	964	10 48	69	14 30	754	695	1 18	59	15 40	1048	1011	0 40	37	96	0·45	0	83·6
10	21 7	1037	973	9 47	64	14 22	759	691	7 58	68	19 10	1045	1024	11 50	21	92	0·43	0	83·7
11	18 50	1043	975	11 0	68	14 15	756	691	8 41	65	20 43	1052	1028	11 38	24	94	0·44	0	83·7
12	17 49	1066	972	10 11	94	17 45	766	702	7 22	64	19 12	1054	1017	6 32	37	143	0·67	1	83·8
13	22 55	1087	973	12 3	114	15 11	766	694	6 22	72	18 54	1065	1021	12 15	44	201	0·94	1	83·8
14	18 42	1031	973	10 51	**58**	14 40	750	675	7 0	75	20 30	1046	1022	3 10	24	96	0·45	0	83·8
15	23 42	1032	968	12 18	64	16 2	749	702	8 10	**47**	20 10	1047	1029	12 10	**18**	66	0·31	0	83·9
16	19 0	**1123**	979	10 45	144	17 38	788	687	20 21	101	20 21	1099	1023	10 20	76	367	1·71	2	83·9
17	23 39	1069	932	1 31	137	1 40	**811**	679	2 26	132	17 29	1080	952	1 52	**128**	526	2·45	2	83·9
18	22 21	1062	971	2 58	91	15 48	752	677	1 56	75	18 58	1068	1007	0 1	61	176	0·82	1	84·0
19	17 32	1057	977	10 32	80	14 37	761	688	7 1	73	18 0	1060	1034	11 24	26	124	0·58	0	84·0
20	19 26	1046	963	11 38	83	15 8	758	698	5 33	60	16 20	1056	1036	11 20	20	109	0·51	0	84·1
21	16 30	1054	978	9 58	76	14 36	762	701	6 10	61	17 33	1061	1034	10 42	27	102	0·48	0	84·1
22	16 11	1060	987	11 45	73	16 10	765	694	9 0	71	18 20	1073	1036	11 0	37	117	0·55	0	84·1
23	18 20	1058	990	15 19	68	13 50	779	696	6 1	83	19 11	1070	1029	12 6	41	132	0·62	1	84·1
24	18 0	1046	980	11 25	66	13 40	748	688	7 30	60	16 35	1054	1034	13 15	20	84	0·39	0	84·2
25	18 8	1058	980	10 11	78	13 37	763	702	7 0	61	19 0	1054	1031	11 33	23	103	0·48	0	84·2
26	19 29	1044	982	11 5	62	14 8	754	697	5 37	57	17 40	1050	1021	10 32	29	79	0·37	0	84·3
27	20 42	1049	974	11 5	75	14 41	769	682	5 54	87	17 41	1074	1033	7 40	41	149	0·69	1	84·3
28	20 8	1081	977	11 0	104	18 7	773	705	5 51	68	19 59	1066	1030	10 28	36	167	0·78	1	84·3
29	20 35	1119	**922**	10 10	**197**	14 59	785	**637**	21 12	**148**	19 35	1070	955	1 31	115	739	3·44	2	84·4
30	20 22	1088	936	10 51	152	13 53	810	675	8 29	135	14 33	**1111**	1005	23 51	106	526	2·45	2	84·4
Mean.	—	1064	966	—	98	—	767	688	—	80	—	1061	1014	—	48	215	1·00	0·73	83·9
No. of Days used.	—	30	30	—	30	—	30	30	—	30	—	30	30	—	30	30	—	30	30

* For explanation *see* page 83. Q denotes an " International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

TERRESTRIAL MAGNETIC FORCE: NORTH COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

221. Eskdalemuir. (X.) **July, 1922.**

15,000 γ (·15 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 D	1029	1017	998	1001	1007	987	1016	1006	988	984	973	957	977	990	995	1016	1023	1045	1059	1030	1040	1050	1017	1015	1011	1009
2	1011	1011	1019	1013	1006	995	1017	1007	979	983	978	977	992	998	1006	1016	1031	1034	1042	1052	1046	1031	1025	1021	1018	1012
3	1018	1002	987	997	1021	1016	997	992	987	986	977	978	966	988	1006	1007	1014	1025	1037	1032	1031	1031	1025	1012	1016	**1005**
4	1016	1017	1006	1001	1007	1021	1019	1006	1005	996	991	992	995	1001	1010	1018	1036	1041	1031	1030	1036	1022	1021	1020	1016	1014
5	1016	1012	1012	1019	1021	1018	1010	1016	1017	1009	1002	1005	1005	996	1005	1011	1024	1021	1043	1045	1036	1035	1022	1026	1029	1018
6	1029	1019	1021	1020	1024	1020	1007	992	991	996	989	986	987	991	1003	1010	1016	1017	1026	1036	1035	1021	1015	1016	1012	1011
7	1013	1017	1022	1024	1027	1022	1008	999	997	994	997	997	994	997	994	993	1017	1027	1031	1027	1032	1027	1026	1032	1020	1013
8 Q	1020	1018	1018	1017	1017	1015	1010	1002	993	987	987	987	992	1002	1008	1018	1022	1022	1027	1028	1027	1023	1021	1022	1023	1012
9	1023	1023	1022	1022	1023	1027	1022	1013	1006	995	982	979	987	1000	1007	1009	1007	1027	1026	1026	1022	1026	1026	1022	1020	1013
10	1020	1025	1019	1020	1025	1018	1027	1027	1009	988	967	973	976	988	1003	1008	1012	1026	1032	1049	1041	1028	1025	1022	1023	1014
11 Q	1024	1037	1023	1018	1015	1023	1020	1013	998	986	975	974	981	998	1014	1023	1023	1023	1028	1032	1031	1024	1023	1022	1022	1014
12 Q	1022	1016	1016	1018	1022	1024	1021	1013	1003	992	988	978	981	990	1003	1019	1027	1032	1028	1023	1023	1024	1025	1023	1023	1013
13	1023	1027	1023	1023	1023	1026	1019	1014	1011	1006	994	991	993	1005	1023	1028	1042	1034	1025	1034	1033	1029	1027	1027	1032	1020
14	1033	1029	1026	1034	1039	1023	1037	1029	1022	1015	1015	1005	1003	991	994	1004	1020	1019	1029	1039	1049	1040	1036	1044	1039	1024
15	1039	1024	1023	1013	1013	1026	1028	1014	980	979	960	961	985	996	1005	1013	1014	1020	1024	1022	1023	1024	1025	1038	1025	1010
16 D	1026	1021	1022	1020	1022	1019	1020	1014	996	977	982	986	1006	997	984	996	1046	1026	1047	1063	1030	1024	1020	1040	1005	1016
17	1005	1014	1001	1002	1012	1014	1006	1000	1005	994	985	989	990	996	1000	1019	1010	1029	1025	1030	1025	1039	1021	1024	1024	1010
18	1025	1037	1021	1017	1016	1005	1016	1012	997	986	987	986	967	998	1006	1011	1031	1020	1027	1046	1055	1026	1026	1023	1027	1014
19	1027	1026	1031	1025	1026	1021	1016	999	1016	1011	1001	993	1000	1001	1001	1021	1020	1026	1031	1035	1036	1054	1026	1021	1017	1019
20	1017	1016	1002	1021	1021	1030	1015	1011	1006	997	982	988	987	997	997	1021	1023	1026	1032	1041	1037	1041	1026	1014	1011	1014
21 Q	1011	1017	1016	1012	1009	1016	1018	1011	1006	998	997	1005	1010	1011	1016	1022	1030	1021	1016	1020	1024	1025	1025	1025	1018	1015
22 Q	1018	1026	1021	1016	1020	1012	1008	1016	1012	1001	984	991	996	1001	1012	1025	1026	1023	1021	1020	1024	1024	1023	1022	1021	1014
23	1021	1021	1021	1021	1021	1017	1017	1013	1006	1001	997	997	993	1001	1002	1008	1021	1014	1031	1036	1045	1049	1022	1029	1038	1017
24	1039	1025	1018	1019	1028	1030	1032	1010	1001	1002	1007	1002	1003	1018	1007	1015	1032	1027	1032	1036	1029	1026	1021	1016	1022	1019
25	1022	1032	1015	1018	1014	1017	1017	1012	997	983	974	973	977	991	1005	1016	1030	1036	1031	1031	1027	1027	1037	1031	1027	1013
26 D	1027	1021	1021	1017	1033	1037	1027	1018	1012	998	994	998	1010	1016	1034	1044	1023	1037	1066	1027	1026	1036	1041	1018	1046	**1025**
27 D	1045	1025	1017	1015	1035	1021	993	962	962	985	978	993	993	982	994	988	1025	1045	1031	1046	1027	1032	1032	1006	1032	1009
28 D	1032	1016	968	978	1031	1026	1011	991	990	978	986	978	977	973	978	993	1011	1021	1035	1042	1030	1030	1041	1031	978	**1005**
29	978	986	992	1005	992	1005	992	986	1004	1001	993	988	984	996	997	1011	1008	1049	1090	1041	1022	1016	1032	1030	997	1009
30	997	1012	1013	1003	1001	998	982	999	998	996	987	978	983	999	989	998	1006	1015	1021	1040	1058	1017	1006	1025	1005	**1005**
31	1005	1002	1017	1011	1003	999	1003	1007	996	1001	982	992	997	996	1001	1006	1009	1016	1021	1026	1027	1026	1028	1021	1021	1008
Mean.	1020	1019	1014	1014	1019	1017	1014	1007	1000	994	987	**986**	990	997	1003	1012	1022	1027	1034	**1035**	1033	1030	1025	1024	1020	1013

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

222. Eskdalemuir. (—Y.) **July, 1922.**

4,000 γ (·04 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 D	720	704	722	714	710	714	705	695	694	695	702	711	731	747	746	747	754	762	731	743	743	720	724	728	728	724
2	728	753	720	703	706	702	708	708	699	704	706	709	724	738	748	747	747	730	742	738	707	701	703	736	725	721
3	726	711	721	748	707	683	684	702	706	700	699	712	721	732	747	751	751	745	746	732	731	732	721	732	720	722
4	720	713	713	722	721	710	706	700	699	701	711	718	726	732	737	734	727	731	737	736	731	726	727	728	716	721
5	716	717	716	715	706	699	701	711	711	716	722	726	737	747	752	759	763	758	748	742	742	733	722	714	713	728
6	714	712	710	709	703	696	689	712	713	706	713	722	737	748	750	743	741	734	737	738	729	725	728	720	718	722
7	718	735	729	714	707	705	706	716	709	709	722	727	738	754	764	755	757	754	743	738	734	729	724	711	721	729
8 Q	722	719	721	718	717	708	701	702	700	701	714	723	739	753	756	755	748	739	734	733	733	728	728	728	726	726
9	726	725	724	723	722	713	702	702	695	694	705	723	750	760	760	753	744	741	734	734	734	733	730	728	723	727
10	724	721	724	719	714	710	712	703	703	698	710	720	740	756	769	767	760	751	740	732	730	735	731	728	729	729
11 Q	730	726	718	714	712	712	710	709	707	709	716	726	741	757	762	755	748	741	739	734	724	729	727	725	720	728
12 Q	720	716	718	718	720	714	703	699	694	699	710	720	732	752	759	761	754	741	731	726	726	730	730	730	729	725
13	729	730	730	730	724	719	709	709	714	715	720	735	748	763	771	763	762	756	746	748	745	733	730	734	725	**736**
14	726	743	707	716	708	717	720	710	718	710	718	725	731	746	757	758	760	753	747	746	737	731	721	716	721	730
15	721	726	727	733	731	704	693	700	705	710	710	715	733	743	753	753	744	737	738	737	732	730	730	737	728	727
16 D	728	720	717	721	726	710	705	710	706	712	720	736	742	752	754	743	769	749	759	720	737	742	742	753	726	732
17	726	711	717	731	726	711	701	696	701	705	710	717	728	752	761	760	754	750	731	739	738	731	723	726	726	727
18	726	722	718	712	713	711	706	701	701	700	710	725	728	738	748	736	742	736	731	745	742	726	732	731	729	724
19	729	736	722	717	714	710	711	716	710	711	714	723	741	747	746	753	748	744	736	738	742	722	727	726	728	728
20	728	735	738	722	714	711	693	699	689	695	706	720	733	747	753	746	738	733	735	737	731	726	705	717	721	723
21 Q	721	729	726	722	718	716	705	708	708	715	721	731	733	741	743	742	738	733	732	735	734	731	731	734	739	727
22 Q	739	725	721	715	717	716	716	711	705	711	720	726	741	747	753	747	743	736	728	729	731	731	731	731	727	728
23	727	726	722	721	721	721	720	711	711	711	717	730	736	739	742	742	743	738	744	742	746	747	727	730	714	729
24	714	658	688	705	715	704	703	695	702	712	729	746	760	779	771	769	762	741	737	733	730	731	716	720	721	726
25	720	725	714	708	704	705	702	704	710	715	724	730	737	742	746	742	741	736	731	733	732	731	726	715	715	724
26 D	715	704	710	730	713	691	693	693	699	714	726	736	748	753	768	778	780	764	782	757	752	746	645	737	715	731
27 D	715	678	704	730	700	682	683	705	741	740	735	741	758	756	768	736	751	760	736	725	740	730	729	704	700	727
28 D	700	694	693	683	689	694	693	704	715	718	715	725	736	745	745	743	742	736	738	721	725	726	741	677	676	**715**
29	675	729	724	714	703	709	701	704	701	702	714	725	735	740	745	745	743	757	715	725	729	730	729	708	758	723
30	758	708	704	713	716	711	714	698	687	682	690	703	724	752	756	751	746	744	740	729	714	707	735	714	689	719
31	689	724	714	705	709	713	708	703	703	703	706	718	729	742	747	745	742	740	736	736	735	731	734	716	719	723
Mean.	721	719	716	718	713	707	**703**	704	705	707	714	724	737	748	**754**	751	750	744	739	736	733	729	724	724	721	726

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

223. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit.)+ **July, 1922.**

Hour. G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 D	1007	1014	1001	1021	1032	1029	1040	1047	1049	1049	1047	1045	1045	1044	1046	1061	1069	1073	1079	1070	1065	1050	1045	1049	1045	1046
2	1045	1025	1016	1025	1034	1036	1041	1045	1049	1049	1038	1037	1040	1043	1050	1053	1053	1058	1057	1061	1061	1057	1045	1029	1038	1043
3	1038	1012	996	980	1005	1028	1037	1034	1033	1037	1041	1043	1045	1048	1045	1049	1050	1050	1053	1057	1059	1057	1049	1033	1030	1036
4	1030	1037	1041	1037	1037	1044	1046	1045	1043	1043	1043	1040	1039	1045	1049	1049	1049	1053	1053	1051	1050	1049	1049	1049	1049	1045
5	1049	1047	1044	1041	1044	1045	1044	1038	1037	1035	1028	1025	1028	1036	1037	1036	1042	1052	1057	1060	1056	1053	1050	1045	1041	1043
6	1041	1041	1041	1042	1045	1046	1043	1033	1025	1033	1037	1045	1046	1042	1044	1052	1058	1064	1060	1054	1057	1058	1053	1049	1045	1046
7	1045	1038	1034	1039	1042	1045	1045	1044	1045	1041	1036	1035	1036	1042	1059	1062	1049	1058	1061	1057	1057	1057	1053	1051	1045	1047
8 Q	1045	1046	1049	1049	1049	1049	1047	1045	1043	1042	1041	1040	1039	1040	1040	1044	1046	1049	1049	1050	1050	1050	1050	1049	1047	1046
9	1046	1042	1044	1045	1048	1048	1044	1044	1044	1040	1036	1031	1020	1024	1036	1046	1052	1052	1056	1056	1051	1048	1048	1048	1048	1044
10	1048	1047	1045	1045	1048	1048	1044	1044	1044	1044	1039	1032	1028	1031	1033	1041	1048	1053	1052	1056	1053	1049	1048	1047	1045	1044
11 Q	1045	1037	1035	1038	1043	1044	1044	1047	1049	1051	1040	1026	1025	1028	1032	1040	1044	1047	1050	1053	1056	1053	1051	1048	1046	1043
12 Q	1045	1043	1043	1044	1047	1048	1048	1048	1047	1045	1036	1035	1035	1038	1035	1036	1042	1045	1047	1047	1044	1043	1043	1043	1042	1043
13	1041	1041	1041	1042	1042	1042	1045	1042	1038	1034	1031	1033	1030	1034	1034	1039	1044	1047	1050	1047	1046	1046	1042	1041	1038	1040
14	1038	1037	1038	1038	1038	1036	1025	1026	1029	1034	1030	1029	1031	1035	1035	1034	1042	1055	1042	1039	1035	1050	1043	1030	1009	1036
15	1008	1008	999	992	963	997	1003	1030	1036	1037	1037	1037	1037	1036	1037	1036	1037	1045	1045	1042	1042	1042	1041	1034	1026	1026
16 D	1026	1030	1033	1035	1032	1035	1037	1037	1037	1033	1030	1032	1028	1026	1037	1049	1057	1074	1069	1078	1065	1074	1045	1012	1008	1042
17	1007	1016	1027	1020	1023	1033	1040	1040	1040	1036	1036	1038	1041	1042	1044	1044	1048	1052	1057	1060	1056	1048	1041	1037	1033	1039
18	1032	1019	1019	1027	1032	1036	1036	1039	1039	1037	1034	1026	1020	1023	1029	1039	1043	1047	1043	1043	1043	1039	1039	1039	1036	1034
19	1035	1027	1022	1026	1030	1033	1030	1030	1034	1030	1029	1027	1024	1026	1043	1053	1062	1063	1061	1050	1044	1042	1030	1030	1026	1037
20	1025	1024	1021	1019	1029	1028	1029	1030	1032	1029	1021	1017	1013	1017	1021	1024	1029	1029	1029	1032	1037	1037	1033	1029	1028	1026
21 Q	1027	1020	1020	1020	1024	1027	1027	1027	1024	1027	1026	1020	1016	1020	1024	1031	1034	1036	1036	1033	1032	1032	1031	1031	1028	1027
22 Q	1027	1023	1023	1026	1027	1028	1027	1027	1031	1030	1024	1024	1017	1018	1019	1023	1028	1034	1035	1031	1030	1028	1027	1027	1028	1026
23	1027	1028	1027	1027	1026	1027	1025	1026	1026	1022	1018	1017	1011	1015	1027	1030	1034	1034	1031	1029	1027	1026	1031	1027	994	1025
24	992	988	1004	1015	1020	1024	1023	1023	1020	1016	1016	1014	1015	1016	1023	1028	1034	1039	1036	1031	1028	1028	1028	1025	1023	1021
25	1022	1011	1015	1020	1022	1022	1021	1022	1021	1023	1023	1018	1013	1016	1019	1023	1027	1028	1027	1023	1023	1023	1022	1022	1019	1021
26 D	1018	1020	1021	1014	1007	1013	1016	1016	1015	1014	1014	1012	1006	1010	1017	1029	1050	1080	1091	1099	1071	1054	1047	1022	998	1031
27 D	996	1005	1015	998	1008	1017	1019	1011	995	995	1001	1008	1012	1020	1024	1047	1048	1048	1050	1049	1041	1035	1004	999	994	1019
28 D	992	970	945	924	997	1013	1015	1012	1010	1006	1014	1014	1017	1019	1018	1026	1033	1037	1038	1050	1046	1034	1005	982	958	1008
29	957	961	981	1004	1009	1012	1020	1017	1019	1019	1018	1013	1008	1008	1014	1021	1025	1033	1055	1053	1041	1033	1025	1008	1006	1016
30	1005	1004	1016	1016	1015	1012	1012	1013	1020	1021	1019	1017	1015	1011	1015	1020	1024	1027	1028	1033	1033	1026	1010	1000	1004	1017
31	1002	994	997	1006	1010	1010	1013	1017	1021	1018	1020	1019	1013	1014	1017	1022	1028	1031	1030	1030	1026	1026	1022	1019	1020	1017
Mean.	1025	1021	1021	1022	1027	1031	1032	1032	1032	1031	1029	1027	1026	1028	1032	1038	1043	1048	1049	1049	1046	1043	1037	1031	1026	1033

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

224. Eskdalemuir. **July, 1922.**

Day.	Terrestrial Magnetic Force.												Character Figures.*		Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +.
	North Component.					West Component.					Vertical Component.					
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range.	Maximum 4,000 γ +		Minimum 4,000 γ +		Range.	Maximum 44,000 γ +		Minimum 44,000 γ +		Range.	ΣR^2	ρ		
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	100γ²			a.
1	17 59	1089	933	10 33	156	16 40	774	681	8 3	93	17 42	1085	996	2 0	89	409	1·83	2	84·5
2	19 20	1080	968	11 9	112	0 43	762	689	7 44	73	19 18	1066	1016	1 55	50	204	0·91	1	84·5
3	18 24	1054	953	11 49	101	3 4	769	678	4 38	91	20 15	1061	977	3 11	84	255	1·14	1	84·5
4	19 45	1055	982	9 24	73	14 22	745	690	7 49	55	17 4	1054	1029	0 1	25	90	0·40	0	84·5
5	18 24	1055	985	12 38	70	15 30	769	698	5 19	71	19 2	1061	1023	11 1	38	114	0·51	0	84·5
6	19 12	1046	981	11 30	65	13 53	759	680	5 56	79	17 11	1065	1025	7 53	40	121	0·54	1	84·5
7	22 51	1044	977	14 50	67	14 32	775	690	22 42	85	14 50	1065	1033	11 25	32	127	0·57	1	84·6
8	19 48	1031	978	10 36	**53**	13 22	760	694	8 34	66	19 40	1053	1038	12 30	**15**	74	0·33	0	84·6
9	17 22	1032	976	11 11	56	13 22	766	691	8 50	75	18 55	1056	1020	12 10	36	101	0·45	0	84·7
10	18 35	1052	960	10 5	92	14 19	778	693	9 19	85	19 22	1057	1024	11 38	33	168	0·75	1	84·7
11	1 1	1042	970	10 50	72	14 13	767	704	7 50	63	20 10	1057	1024	11 30	33	102	0·46	0	84·7
12	16 52	1033	975	11 8	58	15 21	762	693	8 38	69	18 10	1049	1032	11 25	17	84	0·38	0	84·7
13	16 3	1052	987	11 43	65	13 59	776	704	16 4	72	17 50	1051	1029	10 30	22	99	0·44	0	84·7
14	20 30	1078	983	13 48	95	15 51	769	673	1 1	96	17 56	1066	1006	24 0	60	218	0·98	1	84·8
15	23 11	1053	946	10 35	107	3 16	763	684	6 19	79	17 50	1045	956	4 8	89	256	1·15	1	84·8
16	19 2	1105	966	8 35	139	16 8	**826**	689	18 49	137	18 48	1082	996	23 30	86	455	2·03	2	84·8
17	21 10	1055	975	9 58	80	14 17	774	690	6 58	84	18 30	1060	1011	0 1	49	159	0·71	1	84·8
18	20 11	1085	943	11 52	142	20 22	754	694	7 56	60	16 55	1048	1018	1 19	30	247	1·10	1	84·9
19	21 5	1089	978	13 59	111	15 31	768	700	6 1	68	17 24	1066	1021	2 2	45	190	0·85	1	84·9
20	20 5	1050	972	10 11	78	13 40	761	684	6 18	77	20 40	1039	1010	11 51	29	129	0·57	1	84·9
21	16 21	1051	992	9 29	59	16 20	751	703	7 1	48	17 50	1036	1015	11 45	21	62	0·28	0	84·9
22	17 1	1034	981	10 20	**53**	13 52	753	704	8 9	49	17 30	1035	1015	12 3	20	56	0·25	0	85·0
23	23 50	1075	987	14 2	88	21 9	752	709	23 37	**43**	17 0	1034	990	24 0	44	115	0·51	1	85·0
24	19 7	1040	982	14 12	58	13 25	789	650	1 12	139	17 20	1040	982	0 22	58	260	1·17	1	85·0
25	22 11	1049	969	10 56	80	13 58	747	699	6 42	48	17 30	1029	1009	1 4	20	91	0·41	0	85·1
26	17 40	1095	993	9 49	102	18 9	795	**603**	21 53	**192**	18 43	**1115**	1005	12 5	110	594	2·65	2	85·1
27	21 19	1090	944	7 32	146	14 20	783	667	5 10	116	19 5	1052	991	3 5	61	385	1·77	1	85·2
28	21 30	1084	**887**	2 14	**197**	12 33	773	629	1 58	144	19 1	1052	**887**	2 41	**165**	868	3·88	2	85·4
29	18 3	**1138**	943	0 25	195	17 10	762	671	0 9	91	18 0	1058	948	0 30	110	584	2·61	2	85·3
30	19 38	1073	962	10 38	111	13 38	766	681	23 59	85	19 26	1035	996	0 32	39	211	0·94	1	85·3
31	19 37	1032	968	10 16	64	13 19	751	682	0 5	69	17 20	1033	993	1 6	40	105	0·47	1	85·3
Mean.	—	1063	968	—	95	—	768	684	—	84	—	1055	1004	—	51	224	—	0·84	84·9
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31	31	—	31	31

* For explanation *see* page 83. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

225. Eskdalemuir. (X.) **August, 1922.**

15,000 γ (·15 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1021	1019	1018	1015	1017	1015	1018	1012	991	978	977	988	987	981	992	1007	1011	1017	1017	1018	1025	1018	1017	1017	1016	1007
2 Q	1016	1012	1006	1012	1016	1010	1001	992	1001	998	992	996	999	999	998	1001	1016	1003	1017	1021	1021	1018	1017	1017	1016	1007
3 Q	1015	1010	1011	1011	1002	1006	1009	1010	1006	998	996	1002	1004	1005	1011	1020	1025	1012	1016	1020	1022	1021	1025	1017	1010	**1011**
4	1010	1008	1009	1010	1016	1022	1020	1011	996	1005	997	997	996	997	1005	1007	1010	1008	1025	1025	1023	1018	1015	1015	1012	1010
5	1012	1011	1010	1011	1015	1010	1015	1026	996	986	1015	993	972	972	1015	1011	1020	1015	1021	1021	1020	1017	1015	1030	1013	1010
6	1012	1004	991	1010	1005	1010	1005	1000	994	988	980	976	977	987	990	1005	1013	1015	1025	1025	1024	1011	1016	1009	1004	1003
7	1004	1005	1009	1009	1010	1010	1005	999	990	981	974	976	986	1004	1010	1014	1024	1020	1028	1016	1012	1012	1011	1013	1012	1005
8	1012	1013	1013	1011	1012	1015	1012	1006	995	986	981	980	980	985	994	1010	1015	1015	1021	1029	1024	1019	1029	1024	1020	1008
9	1020	1012	1012	1014	1015	1015	1010	999	990	979	975	979	985	998	1014	1029	1049	1019	1014	1015	1039	1029	1010	1005	1029	1010
10	1028	985	1013	1016	994	1023	1022	1006	990	969	947	959	974	989	991	993	1006	1009	1015	1034	1030	999	1004	1010	1016	1000
11 D	1016	1010	1010	1008	1011	1017	1009	1009	1007	985	970	974	978	989	999	1004	1048	1033	1024	1009	1014	997	1004	1010	1009	1005
12 D	1009	1004	1004	989	996	940	999	1010	974	966	960	955	969	971	991	994	1009	1008	1023	1018	1020	1033	1029	1013	1004	**995**
13 D	1004	989	1019	1020	994	995	1009	1001	985	955	940	945	983	992	1003	984	1004	1014	1013	1009	1033	1009	1008	1033	1009	998
14 D	1009	1008	1002	969	1004	1009	992	979	974	979	961	950	964	979	1018	995	1009	1011	1034	1018	1017	1034	1000	1005	1004	997
15	1004	1004	1003	1004	1007	990	993	979	955	960	974	975	965	985	990	990	988	1018	1015	1019	1013	1010	1010	1014	1009	**995**
16	1009	1003	1002	1004	1004	1004	1003	999	993	984	974	984	989	999	991	1000	1008	1008	1026	1023	1014	1014	1027	1010	1004	1003
17 Q	1004	1001	1001	1003	1004	999	999	999	993	989	982	986	999	1003	1004	1013	1018	1018	1014	1014	1014	1018	1014	1014	1014	1005
18 Q	1014	1010	1012	1012	1013	1014	1010	1004	998	993	990	992	999	1003	1013	1017	1015	1014	1010	1016	1018	1017	1018	1020	1018	1009
19	1017	1017	1014	1016	1016	1017	1009	1008	1004	1008	1003	990	992	988	991	998	1008	1003	1012	1018	1018	1016	1013	1012	1012	1008
20	1012	1015	1016	1011	1019	1014	993	987	993	979	969	973	983	983	993	993	996	1003	1008	1008	1008	1012	1012	1013	1008	1000
21	1008	1002	1003	1010	999	1021	1024	1013	993	985	988	983	977	970	994	1004	1007	1013	1017	1003	1002	1001	998	997	1007	1001
22	1007	993	998	1012	1008	1007	1008	1003	997	988	969	973	973	994	988	1003	1006	1005	1007	1008	1009	1012	1013	1028	1022	1001
23 D	1022	1032	1013	1012	1012	1013	1013	1008	998	978	924	958	976	989	998	1021	995	992	1003	1003	1022	1008	1000	1003	1008	999
24	1009	1000	986	989	1007	1006	994	994	984	961	959	956	969	979	989	995	1004	1008	1018	1018	1013	1013	1019	1004	1003	**995**
25	1003	1006	1003	1008	999	999	1008	998	985	975	972	973	970	976	975	1003	1018	1013	1019	1017	1019	1015	1018	1031	1005	1000
26	1005	1014	1005	998	1004	1014	1000	989	975	967	965	965	959	974	989	1004	1006	1008	1013	1014	1013	1018	1013	1019	1012	997
27	1012	1003	1007	984	995	1003	999	993	991	979	969	960	968	981	1003	1001	1008	1005	1010	1018	1004	1014	1009	1006	1008	997
28 Q	1008	1004	1004	1004	1004	1004	1003	1001	993	979	965	965	971	974	986	994	1004	1013	1020	1018	1018	1014	1009	1005	1005	998
29	1005	1004	1002	1002	1008	1004	1007	1008	997	987	983	980	965	965	980	994	989	1021	1023	1019	1013	1010	1028	1023	1008	1001
30	1009	990	999	1001	990	994	1010	1005	986	985	980	975	973	980	985	990	1005	1011	1008	1010	1015	1030	1019	1003	1001	998
31	1001	1005	1004	993	994	1011	1006	998	990	985	960	956	966	971	988	996	1001	1011	1013	1024	1029	1005	1004	1005	1014	997
Mean.	1011	1006	1006	1005	1006	1007	1007	1001	991	982	**974**	975	979	986	996	1003	1011	1012	1017	1017	**1018**	1015	1014	1014	1011	1002

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

226. Eskdalemuir. (−Y.) **August, 1922.**

4,000 γ (·04 C.G.S. unit) +

Hour. G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	718	713	716	704	707	712	702	706	708	724	722	719	734	736	736	739	739	734	731	728	729	722	729	707	712	721
2 Q	712	701	712	715	712	707	707	718	718	712	713	725	735	738	734	734	738	729	730	728	728	725	721	722	718	722
3 Q	718	728	722	718	723	712	702	701	698	700	711	713	722	734	741	742	739	726	725	724	723	718	714	714	712	719
4	711	712	711	710	711	706	701	698	707	708	711	712	723	733	738	741	734	728	727	717	710	717	712	717	721	717
5	721	717	716	711	707	701	711	712	708	721	727	739	750	754	759	749	738	728	719	712	721	724	721	720	720	724
6	720	713	712	721	707	706	697	696	696	701	712	720	732	741	738	738	734	724	725	716	712	717	702	708	716	716
7	716	714	710	706	708	706	700	700	700	705	717	727	737	743	743	734	728	732	727	707	708	723	724	722	719	718
8	718	715	715	710	709	701	695	695	694	694	697	705	719	732	747	748	739	722	720	726	723	715	699	711	715	714
9	715	711	710	710	706	700	692	690	695	700	721	731	743	753	759	758	769	743	728	728	710	688	700	702	705	719
10	705	689	689	689	727	715	702	695	694	699	701	718	726	737	737	725	727	727	728	732	694	696	715	720	716	712
11 D	716	710	709	720	714	710	708	705	708	711	748	742	748	756	786	791	781	740	716	727	716	699	713	732	762	**730**
12 D	702	748	676	704	709	733	720	704	704	701	713	710	724	719	730	735	731	711	718	727	722	705	689	685	701	715
13 D	700	731	683	684	673	702	695	697	709	705	709	714	720	737	747	722	723	732	729	724	705	714	715	715	705	712
14 D	705	692	702	714	710	693	691	705	698	699	699	699	710	724	726	720	725	725	715	725	715	683	709	719	710	709
15	710	714	714	760	714	720	719	711	708	716	711	721	718	731	714	723	720	740	725	730	726	725	721	713	709	721
16	709	713	714	710	704	699	698	696	693	693	699	709	722	738	731	726	725	719	720	725	724	716	706	714	705	713
17 Q	705	715	719	710	705	708	705	699	698	699	706	716	730	736	736	736	733	729	721	720	721	721	717	715	714	717
18 Q	714	710	709	706	705	699	698	695	693	694	704	718	735	736	732	732	725	720	714	715	720	720	720	719	715	714
19	715	719	710	704	700	698	699	699	699	713	725	739	751	753	747	737	732	725	720	721	724	715	712	707	708	719
20	707	707	709	703	699	697	708	729	718	711	722	739	756	754	747	735	729	719	719	719	718	719	718	714	675	720
21	675	677	687	694	694	691	675	677	684	708	714	724	741	741	750	749	735	733	727	708	700	706	692	704	713	709
22	713	708	718	698	692	693	686	687	682	687	704	724	745	706	767	755	740	739	728	724	720	714	713	718	702	717
23 D	702	698	702	700	698	700	691	687	683	677	693	720	741	755	767	778	741	730	722	718	709	675	700	723	733	714
24	733	709	684	709	704	692	685	684	692	698	698	708	722	734	741	740	728	719	719	715	718	716	708	699	708	710
25	707	707	716	712	704	707	697	686	686	686	693	707	728	739	737	730	732	722	723	723	714	686	697	683	671	709
26	671	685	680	713	702	688	686	685	686	701	714	733	739	745	745	750	736	724	725	724	713	718	712	703	702	712
27	702	702	709	735	709	691	694	682	694	698	708	724	745	746	744	730	723	718	717	718	712	714	718	707	707	714
28 Q	706	711	706	701	700	695	690	685	685	690	706	721	742	744	738	727	718	716	715	696	709	711	706	711	710	710
29	709	714	714	706	700	685	679	679	685	689	704	723	737	743	733	727	711	705	704	702	698	716	717	713	691	708
30	691	690	701	696	689	701	694	698	695	701	705	716	727	735	735	727	722	711	705	701	710	668	690	706	710	705
31	709	710	699	712	704	689	682	681	678	683	694	710	722	731	729	723	716	715	710	689	673	694	709	710	703	**703**
Mean.	710	709	706	709	705	702	697	**696**	697	701	710	720	733	741	**742**	739	733	725	721	718	714	709	710	711	710	715

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

227. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit) + **August, 1922.**

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1018	1016	1015	1015	1015	1015	1015	1015	1017	1012	1007	1005	1003	1006	1007	1015	1024	1028	1028	1028	1028	1028	1019	1015	1012	1016
2 Q	1011	1007	1007	1010	1014	1018	1015	1010	1010	1010	1007	1006	1002	1003	1010	1018	1023	1030	1030	1029	1026	1027	1024	1022	1022	1016
3 Q	1020	1016	1009	1010	1007	1008	1012	1014	1016	1016	1012	1012	1012	1013	1016	1017	1020	1025	1021	1020	1020	1020	1017	1016	1017	1015
4	1016	1016	1016	1016	1015	1016	1015	1015	1009	1007	1007	999	992	998	1007	1011	1015	1019	1020	1028	1032	1027	1024	1023	1020	1014
5	1018	1017	1014	1017	1017	1017	1009	1002	1004	1003	1001	1001	1005	1010	1019	1023	1022	1026	1033	1034	1027	1022	1022	1014	1010	1016
6	1008	1007	1003	1003	1007	1011	1011	1012	1015	1013	1005	1004	1004	1005	1011	1012	1019	1024	1024	1028	1028	1024	1019	1015	1015	1013
7	1014	1014	1015	1018	1016	1014	1014	1016	1019	1015	1014	1010	1008	1013	1022	1027	1026	1025	1023	1027	1027	1019	1016	1015	1015	1018
8	1014	1015	1015	1015	1016	1017	1013	1013	1013	1010	1006	1006	1005	1003	1005	1008	1014	1022	1022	1021	1018	1018	1016	1006	1004	1013
9	1002	1007	1009	1011	1012	1015	1014	1011	1007	1000	999	1000	1003	1005	1007	1011	1012	1016	1020	1020	1025	1024	1019	1007	971	1010
10	969	949	963	970	977	961	972	982	993	1001	1005	1006	1009	1014	1022	1025	1026	1029	1028	1030	1034	1026	1021	1015	1009	1002
11 D	1008	1004	1006	1004	1008	1013	1013	1013	1009	1009	1008	1008	1013	1020	1034	1077	1106	1126	1104	1089	1054	1017	1012	1002	968	**1031**
12 D	967	975	987	1000	1003	972	976	992	1003	1007	1008	1010	1011	1011	1015	1024	1032	1052	1048	1036	1032	1020	1008	1003	1003	1009
13 D	1001	972	950	973	976	986	994	1005	1005	1006	1011	1007	1010	1006	1010	1026	1029	1026	1033	1031	1029	1016	1014	1001	988	1005
14 D	986	991	995	971	968	984	999	1001	1007	1003	1003	1005	1009	1012	1020	1025	1023	1021	1027	1024	1027	1020	1008	1008	1008	1006
15	1006	1006	1006	1009	1006	1005	1001	1004	1006	1002	998	997	1001	1003	1029	1035	1034	1026	1026	1018	1017	1013	1012	1010	1009	1011
16	1008	1009	1008	1008	1009	1009	1009	1009	1008	1005	1001	996	993	997	1009	1013	1013	1015	1013	1013	1013	1009	1006	1004	1005	1007
17 Q	1004	1003	999	1001	1004	1004	1004	1004	1004	1003	1002	996	993	997	1000	1004	1004	1004	1004	1008	1008	1008	1008	1007	1007	1003
18 Q	1006	1006	1006	1006	1006	1010	1010	1011	1011	1006	999	998	998	995	998	1003	1006	1007	1007	1007	1006	1007	1007	1003	1003	1005
19	1002	1002	1002	1002	1003	1004	1002	997	997	990	990	993	990	985	990	1000	1007	1017	1017	1017	1014	1010	1010	1002	1002	1002
20	1000	1000	995	995	995	995	995	991	991	995	989	987	991	996	1006	1020	1025	1027	1024	997	995	1012	1011	1007	995	1002
21	995	994	991	995	997	996	999	996	995	989	987	989	987	991	999	1012	1025	1034	1044	1048	1039	1027	1019	1011	1005	1007
22	1003	1023	998	1001	1002	1002	1002	1002	1002	997	994	993	989	993	1009	1024	1025	1022	1017	1010	1002	1005	1002	1002	1001	1005
23 D	1000	986	988	994	997	998	1000	1000	997	993	990	988	982	987	993	1013	1037	1030	1021	1013	1013	1021	1006	980	958	1000
24	957	932	967	976	981	990	995	999	992	991	991	990	983	991	998	1004	1008	1011	1010	1011	1008	1004	999	993	996	**992**
25	995	996	995	991	994	995	998	999	999	998	995	991	990	994	995	999	1000	999	999	999	1003	1011	1003	991	978	997
26	977	977	986	985	986	986	993	993	994	989	990	986	988	991	998	1006	1014	1023	1022	1018	1016	1008	1005	998	994	997
27	993	997	1000	988	968	988	993	997	997	993	987	985	985	996	1005	1009	1009	1008	1004	1005	1009	1005	993	985	993	996
28 Q	992	992	995	999	1000	1000	1003	1004	1003	999	993	988	987	992	999	1007	1008	1008	1008	1012	1007	1000	1000	999	999	1000
29	998	995	994	996	995	999	999	999	996	991	984	982	983	986	992	1003	1010	1013	1011	1011	1010	1002	995	974	962	996
30	961	973	983	990	991	987	990	990	992	993	990	986	982	985	990	997	1006	1014	1022	1021	1009	1002	986	987	990	993
31	990	990	993	990	990	994	998	1001	1000	991	987	986	982	984	990	998	1001	1005	1009	1014	1012	1002	1001	998	998	996
Mean.	998	**996**	997	999	999	1000	1002	1003	1004	1001	999	997	**996**	999	1007	1015	1020	**1024**	1023	1022	1019	1015	1010	1004	999	1006

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

228. Eskdalemuir. **August, 1922.**

Day.	Terrestrial Magnetic Force.												Character Figures.*		Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +.
	North Component.					West Component.					Vertical Component.											
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range.	Maximum 4,000 γ +		Minimum 4,000 γ +		Range.	Maximum 44,000 γ +		Minimum 44,000 γ +		Range.	ΣR^2	ρ		
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	100 γ^2			*a.*
1	16 38	1036	968	9 59	68	16 30	750	696	7 18	54	16 55	1032	1003	12 35	29	84	0·42	0	85·3
2	18 42	1029	988	10 3	41	12 9	739	696	1 29	**43**	17 0	1031	999	12 10	32	46	0·23	0	85·3
3	21 50	1055	991	9 50	64	14 20	744	693	8 10	51	16 59	1025	1005	4 20	20	71	0·35	0	85·4
4	18 10	1035	991	13 18	44	14 43	743	695	7 0	48	19 33	1034	991	12 10	43	61	0·30	0	85·4
5	18 16	1040	942	12 36	98	13 56	769	698	8 10	71	18 40	1036	1000	11 29	36	159	0·80	1	85·5
6	19 26	1038	972	11 39	66	13 22	746	691	7 29	55	19 40	1032	1000	2 40	32	84	0·42	1	85·5
7	19 22	1039	966	10 22	73	14 5	746	695	7 57	51	19 28	1030	1007	12 2	23	85	0·42	0	85·5
8	19 9	1033	976	11 16	57	14 56	753	668	21 31	85	17 33	1024	1001	22 50	23	110	0·55	0	85·5
9	20 31	1064	970	9 45	94	16 3	778	674	20 21	104	20 18	1028	971	24 0	57	229	1·15	1	85·6
10	19 46	1058	944	9 55	114	4 19	758	662	19 37	96	19 38	1038	945	0 38	93	309	1·54	1	85·7
11	16 10	1087	936	9 49	151	14 28	**821**	680	19 50	**141**	16 49	**1135**	961	24 0	**174**	730	3·65	2	85·7
12	21 21	1051	906	4 50	145	0 1	795	662	2 0	133	17 10	1056	959	0 9	97	481	2·41	2	85·7
13	23 5	1091	926	9 57	165	13 36	757	671	4 8	86	19 45	1036	945	1 48	91	429	2·15	2	85·8
14	20 46	**1106**	940	3 0	**166**	14 15	740	**619**	20 40	121	20 38	1032	954	3 21	78	483	2·41	2	85·8
15	17 59	1028	935	11 38	93	17 2	745	698	13 52	47	14 40	1038	997	10 50	41	125	0·63	1	85·8
16	21 57	1038	969	9 58	69	13 10	742	686	8 44	56	15 19	1016	992	12 18	24	85	0·42	0	85·8
17	17 11	1028	979	10 29	49	12 53	740	693	7 53	47	19 12	1008	992	11 50	**16**	49	0·24	0	85·9
18	19 29	1023	989	10 40	**34**	12 40	741	693	7 56	48	8 0	1012	994	13 0	18	38	0·19	0	85·9
19	19 32	1025	983	11 20	42	12 40	757	694	5 32	63	17 49	1018	982	12 59	36	70	0·35	0	85·9
20	23 50	1034	959	10 26	75	12 20	762	671	23 48	91	16 40	1028	987	11 10	41	156	0·78	1	85·9
21	6 19	1032	961	13 2	71	13 34	756	659	0 40	97	19 0	1048	987	11 50	61	182	0·91	1	86·0
22	23 32	1037	959	14 29	78	14 10	774	678	7 43	96	14 50	1025	989	12 10	36	166	0·83	1	86·0
23	0 40	1051	**904**	10 46	147	14 32	783	660	20 48	123	16 9	1041	960	24 0	81	433	2·17	1	86·0
24	22 11	1052	949	11 20	103	14 12	746	671	1 50	75	19 10	1012	**926**	0 31	86	236	1·18	1	86·0
25	22 25	1047	957	13 30	90	13 9	751	654	23 42	97	20 53	1014	987	11 30	27	182	0·91	1	86·0
26	19 22	1038	949	11 40	89	14 50	756	670	1 51	86	17 26	1030	970	0 23	60	189	0·95	1	86·1
27	18 58	1034	943	10 40	91	3 9	756	680	7 0	76	19 40	1013	960	3 33	53	169	0·84	1	86·2
28	19 9	1028	960	9 57	68	13 5	749	679	6 57	70	19 0	1013	986	12 0	27	103	0·51	0	86·2
29	22 21	1043	952	11 49	91	12 32	753	672	6 40	81	16 50	1014	961	24 0	53	177	0·88	1	86·2
30	21 20	1073	966	11 40	107	13 41	743	631	21 10	112	18 40	1024	958	0 8	66	283	1·42	1	86·1
31	19 36	1055	950	11 0	105	12 56	739	654	19 30	85	19 28	1018	981	12 0	37	196	0·98	1	86·2
Mean.	—	1046	957	—	89	—	756	676	—	80	—	1030	979	—	51	200	—	0·77	85·8
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31	31	—	31	31

* For explanation *see* page 83. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

229. Eskdalemuir. (X.) **September, 1922.**

15,000 γ (·15 C.G.S. unit) +

Hour. G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1015	1010	1006	1005	1003	1002	1005	1001	997	988	975	977	990	999	998	995	1003	1016	1016	1019	1011	1012	1011	1016	1014	1003
2 Q	1014	1011	1002	1006	1007	1006	1005	998	995	981	986	986	985	988	998	1006	1015	1016	1020	1016	1015	1012	1016	1015	1015	1004
3	1016	1016	1011	1012	1007	1007	1009	1008	1002	988	985	983	984	986	996	1007	1012	1017	1021	1021	1017	1017	1026	1004	1006	1006
4	1007	1012	1008	1008	1008	1008	1003	997	985	981	978	975	988	1003	1010	1007	1002	1006	1011	1014	1027	1013	1015	1014	1008	1003
5	1008	1011	1008	1011	1012	1012	1011	1007	998	987	975	976	978	983	988	1005	1013	1019	1012	1014	1017	1013	1012	1014	1007	1004
6	1008	1009	1010	1009	1009	1008	1008	1003	991	984	976	975	971	978	964	994	989	1003	1015	1028	1014	1012	1014	1010	1009	999
7 D	1009	1014	1011	1017	1023	1019	1017	989	979	971	967	972	973	975	979	970	1004	1054	1004	999	1022	1014	1023	1004	999	999
8 D	1000	1005	1001	996	1000	995	996	995	992	975	921	932	940	962	987	995	1006	1000	1009	1039	1005	1021	1015	1009	1010	993
9 D	1010	992	1000	1015	1014	998	995	996	970	969	956	956	967	972	981	1001	1005	1005	1019	1010	1010	1039	1016	1014	991	996
10	991	1004	996	985	1009	1008	991	989	989	988	971	966	956	978	1006	1000	1004	1000	1000	1015	1029	1004	1004	1003	1005	996
11	1005	1004	1000	1010	1000	995	995	976	975	966	958	971	988	995	995	1008	1005	1006	1019	1015	1017	1015	1015	1015	1014	998
12	1014	1014	1011	1007	1019	1021	1010	1009	1000	987	976	976	970	971	995	1014	1015	1020	1018	1016	1023	1011	1010	1013	1012	1005
13	1012	1014	1013	1013	995	1005	991	996	991	991	962	955	983	986	987	990	998	1009	1011	1018	1015	1019	1020	1022	1028	1000
14 D	1028	1020	1013	1010	1029	1005	975	937	908	910	922	917	914	933	962	1035	1041	1046	1039	956	943	936	923	988	958	**973**
15	957	970	975	990	989	982	985	980	965	961	959	955	958	964	967	989	994	990	994	994	998	999	1004	990	1014	981
16	1014	1003	1004	1008	1011	1008	1008	999	991	984	974	974	979	985	990	994	999	1004	1005	1010	1014	1009	1008	1008	1007	999
17	1007	1004	1004	1008	1009	1009	1009	1009	1004	994	974	969	965	970	1000	1005	1005	1007	1018	1004	1005	995	994	1009	1001	999
18	1001	1004	1006	1008	1004	1004	1008	1009	999	992	987	984	990	998	1004	1009	1010	1014	1013	1014	1018	1010	1012	1014	1000	1005
19	1000	1004	1009	1014	1008	1008	1014	1015	1005	994	984	984	993	994	1003	1000	1003	1009	1008	1009	1011	1009	1009	1013	1009	1004
20 D	1009	1009	1011	1019	1019	1000	1005	1006	1004	999	974	978	986	994	1012	1000	985	998	1010	1019	1004	1024	1004	1004	1019	1003
21	1019	1003	1009	996	1005	1000	998	990	984	960	958	949	961	961	977	998	993	1004	1010	1009	1013	1005	1007	1004	1005	992
22 Q	1005	1003	999	999	999	997	998	998	985	974	970	966	965	978	987	992	992	1000	1009	1009	1009	1009	1008	1011	1008	994
23 Q	1008	1008	1009	1010	1008	1008	1005	1003	995	987	974	971	975	988	989	999	998	1008	1008	1009	999	1003	1009	1009	1014	999
24 Q	1014	1012	1008	1007	1011	1009	1009	1002	1000	994	983	979	983	989	993	999	1004	1008	1012	1013	1009	1014	1014	1014	1026	1004
25	1026	1019	1010	1010	1021	1019	1005	1002	994	989	970	975	984	985	983	985	998	1003	1009	1010	1010	1009	1009	1009	1009	1001
26 Q	1010	1009	1009	1009	1010	1008	1010	1013	1004	991	980	977	982	990	996	1005	1010	1010	1010	1010	1009	1009	1009	1010	1016	1003
27	1016	1019	1020	1029	1029	1021	1017	1019	1016	1004	991	988	994	995	1005	1024	1000	1016	1010	1009	1029	1010	1006	1024	1015	**1012**
28	1015	1005	1007	1010	1000	1005	992	1002	990	980	983	980	982	990	992	1000	1004	1002	1010	1025	1031	1000	1011	1024	1010	1002
29	1010	1012	1010	1006	1002	1007	1012	1010	1008	1004	990	985	969	984	991	999	1003	1006	1014	1014	1004	1003	1010	1015	1015	1003
30	1015	1020	1019	1015	1005	1010	1010	1004	988	988	986	985	984	981	995	1000	1004	1009	1000	1012	1014	1017	1014	1005	1006	1003
Mean.	1009	1008	1007	1008	1009	1006	1003	999	990	982	**971**	**971**	975	982	991	1001	1004	1010	**1012**	**1012**	1011	1009	1008	1010	1008	999

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

230. Eskdalemuir. (—Y.) **September, 1922.**

4,000 γ (·04 C.G.S. unit) +

Hour. G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	703	697	698	694	693	692	689	687	688	698	709	714	731	740	735	719	709	699	692	695	709	714	708	714	704	705
2 Q	704	707	708	695	691	689	688	687	688	694	709	724	735	736	735	720	714	713	714	715	710	708	709	705	709	**708**
3	708	714	688	681	682	687	684	687	686	687	698	714	734	735	724	714	708	703	709	713	712	692	681	698	707	702
4	707	703	705	697	697	696	693	692	692	696	708	723	734	729	726	719	713	712	714	708	688	704	707	702	704	707
5	704	703	699	702	697	697	692	687	685	681	692	702	719	730	720	715	713	713	703	699	706	703	707	702	687	703
6	687	704	703	702	698	697	691	682	681	687	703	714	735	740	735	729	714	708	710	713	707	701	693	682	687	705
7 D	687	693	695	699	689	686	698	676	690	703	707	719	730	740	745	739	734	677	692	665	661	683	688	698	697	700
8 D	697	703	702	714	700	696	695	697	677	692	710	727	740	763	735	731	708	676	693	687	708	691	650	687	696	703
9 D	697	725	725	704	680	687	688	711	710	714	720	723	728	740	730	719	709	700	672	697	704	694	699	673	699	706
10	699	709	700	705	703	708	704	699	683	688	693	710	725	730	733	714	705	697	696	700	683	692	68/	699	704	703
11	704	699	714	689	683	694	699	699	707	707	709	724	730	731	727	719	714	705	698	709	709	708	704	704	704	**708**
12	704	704	703	704	704	704	703	703	692	692	692	705	724	725	730	723	714	693	704	704	683	696	700	704	704	705
13	704	699	699	696	705	714	730	713	704	688	705	717	719	730	729	722	715	709	704	708	708	704	691	696	690	**708**
14 D	691	710	733	747	738	748	751	736	705	699	704	709	721	737	737	758	736	726	673	674	667	680	609	630	620	**708**
15	620	619	620	683	688	689	678	673	673	679	694	705	716	728	730	715	720	721	716	705	701	648	668	657	668	**686**
16	668	685	689	691	695	693	695	690	688	690	694	705	717	722	720	715	710	710	709	710	701	705	704	702	700	701
17	701	700	700	700	698	696	697	698	696	697	706	717	727	727	720	712	707	706	705	685	697	680	673	669	691	700
18	691	700	699	696	706	695	694	686	684	688	696	705	717	721	718	717	713	717	717	714	716	711	711	690	695	704
19	695	689	689	678	684	694	690	690	689	695	700	706	715	717	722	715	711	711	711	711	710	707	699	692	692	701
20 D	692	698	690	694	674	689	699	699	694	690	693	708	727	736	755	749	732	712	714	716	637	647	688	695	680	701
21	680	674	668	689	684	689	698	696	697	692	698	709	727	732	710	717	715	701	695	700	693	700	696	705	700	699
22 Q	701	703	700	698	697	697	696	691	684	681	685	698	707	723	724	718	712	712	716	707	707	707	702	704	701	703
23 Q	701	701	700	695	698	697	697	696	689	685	690	701	712	719	722	723	718	717	706	698	698	695	691	701	710	702
24 Q	710	702	706	707	706	696	702	702	701	698	701	714	728	732	728	718	711	706	707	707	705	707	706	703	697	**708**
25	697	702	689	686	691	696	702	707	690	696	702	712	723	731	728	719	713	709	706	707	707	707	707	706	702	705
26 Q	700	702	701	701	698	700	698	696	691	691	691	701	715	723	722	718	712	711	709	712	711	707	703	706	706	705
27	707	707	708	696	692	697	702	703	698	693	698	703	726	729	734	748	741	745	730	715	678	656	677	682	660	706
28	660	692	656	667	687	686	703	699	701	695	702	709	713	719	724	730	724	716	713	676	683	682	700	708	692	698
29	692	701	693	692	696	701	702	697	693	691	692	707	708	723	728	725	719	713	712	713	711	708	704	703	703	705
30	703	718	691	660	691	692	696	698	709	692	698	709	723	721	721	718	713	709	702	693	705	700	688	701	698	701
Mean.	694	699	695	695	695	697	698	696	**692**	693	700	711	724	**730**	729	723	716	708	705	702	697	695	**692**	694	693	703

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

231. Eskdalemuir. (Z.) **September, 1922.**

44,000 γ (·44 C.G.S. unit) +

Hour. G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	997	995	992	995	996	996	996	996	995	987	984	984	984	988	996	999	999	1003	1007	1004	996	996	996	995	992	995
2 Q	991	987	986	986	990	991	993	994	987	982	981	980	979	983	987	991	995	996	995	996	998	999	996	995	994	990
3	994	971	966	973	982	987	990	990	987	990	983	978	978	979	987	995	999	999	997	994	995	998	996	994	994	**988**
4	993	990	987	990	990	993	994	995	997	990	989	986	982	985	990	998	999	1001	1001	998	998	995	994	990	990	993
5	990	993	994	994	994	994	995	997	995	993	989	986	986	988	990	994	1001	1002	1005	1002	998	998	998	994	996	995
6	995	993	993	994	994	996	997	997	993	988	984	985	985	992	1001	1008	1017	1020	1012	1004	1004	1003	1000	997	989	998
7 D	989	985	986	989	992	990	992	994	992	988	992	989	989	993	1001	1016	1030	1069	1061	1049	1029	1007	995	996	1001	1005
8 D	1001	1001	1001	997	996	999	1001	1000	1000	997	997	997	1000	1006	1033	1033	1038	1042	1030	1021	993	992	973	972	977	1005
9 D	977	969	956	969	985	986	992	993	993	997	994	997	1004	1005	1012	1017	1021	1020	1033	1021	1013	1004	992	989	977	997
10	977	972	977	973	980	980	985	994	1001	1001	1001	1000	998	1001	1009	1026	1037	1037	1030	1021	997	997	1001	1001	1001	1000
11	1001	1001	997	989	997	1000	997	1001	1001	1000	1000	996	993	996	1001	1006	1005	1009	1010	1005	1003	1003	1004	1002	1001	1001
12	1001	1001	1001	1000	996	993	996	996	997	997	997	993	989	993	997	1001	1009	1016	1013	1012	1009	1004	1002	1001	1001	1001
13	1001	1001	1001	1000	997	988	984	985	989	992	999	997	1000	1001	1001	1005	1005	1005	1005	1005	1005	1004	1003	998	981	998
14 D	981	977	969	959	943	920	924	930	969	988	1001	1018	1033	1054	1089	1125	1133	1150	1069	1074	1084	965	945	917	932	1008
15	932	941	952	985	1001	1005	1009	1013	1016	1017	1012	1010	1009	1006	1012	1017	1022	1029	1032	1034	1029	1024	995	986	976	1005
16	976	993	1001	1005	1004	1004	1005	1009	1009	1011	1009	1004	996	996	997	1001	1005	1008	1008	1006	1008	1007	1008	1007	1006	1004
17	1007	1006	1006	1006	1004	1004	1004	1005	1003	1001	1002	999	997	997	1001	1002	1004	1005	1010	1023	1018	1018	1017	1009	1006	1006
18	1006	1006	1006	1006	1000	998	998	1001	1001	994	994	994	995	998	998	1001	1002	1002	1002	1002	1002	1006	1006	1007	1009	1001
19	1009	1009	1006	1005	1002	1001	998	997	996	998	999	997	994	997	1000	1002	1001	1002	1005	1006	1006	1006	1007	1006	1005	1002
20 D	1006	1007	1007	1006	1003	1007	1007	1010	1011	1007	1011	1006	998	995	995	1003	1007	1011	1014	1015	1034	1015	1007	1003	983	1007
21	983	960	976	999	1002	1003	1006	1011	1015	1018	1015	1012	1008	1011	1027	1023	1020	1019	1018	1014	1011	1011	1010	1007	1002	1008
22 Q	1002	1003	1008	1014	1016	1019	1020	1024	1026	1026	1016	1014	1012	1007	1008	1012	1015	1015	1014	1014	1014	1011	1011	1011	1011	**1014**
23 Q	1011	1011	1011	1011	1009	1007	1007	1007	1007	1007	1003	999	995	994	999	1003	1006	1010	1011	1014	1015	1015	1015	1012	1007	1002	1007
24 Q	1003	1000	1004	1004	1004	1004	1004	1004	1004	1000	1003	1003	1000	1003	1008	1011	1012	1012	1011	1009	1011	1008	1008	1008	999	1006
25	999	995	996	996	996	995	996	999	1004	1000	1000	996	994	996	1007	1010	1012	1013	1012	1011	1008	1007	1006	1004	1004	1002
26 Q	1005	1008	1008	1006	1005	1005	1004	1004	1002	1001	1001	997	992	992	997	1001	1005	1005	1007	1005	1005	1007	1007	1005	1004	1003
27	1004	1001	997	997	997	997	1000	1000	1001	1001	997	993	990	992	993	999	1005	1012	1021	1024	1016	996	1001	981	959	1000
28	960	921	949	978	982	986	993	997	997	1001	1002	1002	1001	1001	1002	1006	1011	1014	1014	1017	1007	1006	1002	997	993	994
29	993	993	994	998	1002	1002	1002	1005	1006	1006	1006	1002	1002	1001	1001	1002	1005	1006	1006	1006	1010	1013	1011	1010	1006	1004
30	1007	995	958	978	990	995	999	1003	1004	1006	1006	1002	999	1001	1005	1006	1008	1011	1015	1015	1011	1010	1007	1007	1007	1002
Mean.	993	**989**	**989**	993	995	995	996	998	1000	999	999	997	996	998	1005	1010	1014	**1018**	1016	1014	1011	1004	1000	997	993	1001

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

232. Eskdalemuir. **September, 1922.**

Day.	Terrestrial Magnetic Force. North Component. Maximum 15,000 γ +		Minimum 15,000 γ +		Range.	West Component. Maximum 4,000 γ +		Minimum 4,000 γ +		Range.	Vertical Component. Maximum 44,000 γ +		Minimum 44,000 γ +		Range.	Character Figures.* ΣR^2	Character Figures.* p	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +.
	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	$100\gamma^2$			*a.*
1	17 19	1035	10 11	966	69	13 11	746	18 26	676	70	18 30	1011	10 0	983	28	104	0·34	0	86·2
2	18 8	1026	9 0	971	55	12 28	740	6 36	684	56	20 40	1003	11 41	978	25	68	0·22	0	86·2
3	22 5	1037	10 2	975	62	13 1	745	21 53	666	79	16 40	999	1 48	963	36	114	0·38	1	86·2
4	19 42	1043	10 48	969	74	12 29	740	19 39	663	77	19 32	1002	12 0	982	20	118	0·39	1	86·2
5	17 9	1026	10 21	965	61	13 1	735	8 49	676	59	18 1	1006	12 29	985	21	76	0·25	0	86·3
6	18 52	1034	13 59	955	79	13 1	746	23 32	677	69	16 50	1021	10 28	984	37	124	0·41	1	86·3
7	17 9	1146	14 58	941	205	13 37	756	17 0	612	144	17 0	1089	1 0	983	106	740	2·44	2	86·3
8	19 20	**1157**	10 5	910	247	13 29	796	19 13	601	195	17 9	1044	23 16	969	75	1047	3·45	2	86·4
9	21 20	1059	11 26	942	117	1 10	752	17 40	633	119	17 50	1037	1 22	945	92	363	1·20	1	86·3
10	19 16	1085	11 40	935	150	14 10	741	20 12	660	81	17 31	1040	0 30	969	71	341	1·13	1	86·4
11	17 50	1024	9 29	951	73	12 32	736	3 26	673	63	17 45	1013	2 41	987	26	100	0·33	0	86·3
12	17 20	1035	12 31	959	76	13 41	736	20 0	672	64	16 55	1016	12 10	989	27	106	0·35	1	86·3
13	23 40	1041	10 53	941	100	6 20	743	8 39	666	77	15 28	1005	23 48	977	28	167	0·55	1	86·3
14	17 19	1147	21 9	**802**	**345**	15 20	**800**	21 54	**539**	**261**	17 23	**1214**	21 34	**884**	**330**	2960	9·77	2	86·4
15	23 41	1045	0 29	949	96	13 38	737	1 19	592	145	18 58	1036	0 3	932	104	411	1·35	1	86·3
16	20 6	1019	11 5	969	50	12 55	731	0 8	662	69	8 51	1012	0 1	952	60	109	0·36	0	86·3
17	19 54	1025	11 36	977	48	12 33	737	23 8	659	78	19 22	1026	12 20	994	32	94	0·31	0	86·3
18	22 33	1029	9 55	982	47	12 31	722	23 10	678	44	23 23	1011	10 45	994	17	44	0·15	0	86·3
19	6 41	1021	10 45	980	**41**	14 8	731	2 40	673	58	22 1	1009	12 2	993	**16**	53	0·17	0	86·3
20	20 37	1075	19 57	969	106	14 59	769	20 23	588	181	20 10	1043	24 0	983	60	476	1·57	2	87·4**
21	1 18	1047	13 28	926	121	12 11	743	1 4	652	91	14 30	1030	1 1	952	78	290	0·96	1	87·3**
22	18 57	1018	11 36	955	63	13 43	729	8 38	679	50	8 28	1027	1001	p 1	26	71	0·24	0	87·4**
23	24 0	1019	10 40	969	50	14 38	728	9 21	679	49	20 2	1016	12 35	993	23	54	0·18	0	86·7
24	23 47	1038	10 52	974	64	13 10	733	7 31	692	41	16 1	1012	24 0	996	**16**	60	0·20	0	86·6
25	0 1	1031	10 0	965	66	12 39	738	1 43	682	56	17 2	1015	1 22	992	23	80	0·26	0	86·6
26	15 50	1015	11 0	971	44	13 41	723	8 14	688	**35**	2 50 21 50	1008	12 20	989	19	35	0·12	0	86·5
27	20 8	1053	20 20	966	87	15 12	761	20 23	637	124	19 32	1028	23 55	960	68	276	0·91	1	86·5
28	19 43	1047	8 52	967	80	14 56	739	0 11	622	117	19 7	1019	1 1	913	106	313	1·03	1	86·5
29	18 0	1017	11 55	960	57	13 40	729	0 6	681	48	20 5	1013	1 43	990	23	61	0·20	0	86·5
30	1 9	1039	13 4	975	64	1 14	745	2 33	621	124	18 42	1016	2 15	953	63	234	0·77	1	86·5
Mean.	—	1048	—	955	93	—	744	—	653	91	—	1027	—	972	55	303	—	0·67	86·5
No. of Days used.	—	30	—	30	30	—	30	—	30	30	—	30	—	30	30	30	—	30	30

* For explanation *see* page 83. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

** September 20th–22nd—High temperature due to two observers being in underground during eclipse observations.

TERRESTRIAL MAGNETIC FORCE: NORTH COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

233. Eskdalemuir. (X.) **October, 1922.**

15,000 γ (·15 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 Q	1006	1004	1009	1009	1009	1011	1005	1004	1000	994	985	985	986	990	993	995	999	1006	1009	1007	1011	1014	1007	1009	1009	1002
2	1009	1010	1010	1010	1014	1014	1011	1012	1010	1005	1004	995	994	1000	1007	996	999	1004	1012	1015	1004	995	1009	996	1019	1006
3	1019	1004	1004	1007	1014	1009	1010	986	995	1000	996	980	985	985	1000	1003	1006	1009	1009	999	1029	1009	1002	1015	1000	1003
4	1000	1013	1006	1009	1007	1008	1009	1005	993	984	970	961	995	999	1004	990	1004	1010	1013	1014	1035	1026	1023	1020	1024	1005
5 D	1024	1014	996	1038	1015	1012	984	980	931	945	921	933	937	946	980	991	1008	981	960	985	962	970	1006	975	985	**978**
6 D	985	994	974	980	984	996	985	986	980	963	966	978	971	975	976	970	981	1053	1010	986	999	1000	1008	1009	996	988
7 D	996	1000	975	1001	994	985	989	981	980	967	960	962	965	966	984	996	985	1009	1008	1000	1014	1024	1002	1020	1034	991
8	1033	999	998	986	998	1003	1005	995	988	980	974	956	959	940	970	990	994	1003	1003	1003	1009	1057	1009	994	1000	993
9	1000	980	1000	1012	1008	1006	1008	995	1000	988	985	978	971	979	980	985	998	1003	1005	1004	1018	1052	1023	1002	1018	1000
10	1018	1003	1003	1004	1008	1007	1018	1013	1009	1006	995	989	984	979	984	985	995	984	1010	1007	1002	1033	1003	1003	1003	1001
11	1003	1003	1007	1013	1002	1008	1008	1008	1004	994	988	981	980	980	983	988	993	1001	1008	1010	1008	1012	1013	1028	1019	1001
12	1019	1008	1008	1013	1014	1018	1024	1013	1000	990	974	969	963	965	973	979	977	980	993	1008	1008	1012	1011	1009	1014	997
13	1014	1018	1018	1013	1009	1013	1014	1013	1012	1007	998	985	980	983	985	989	999	1003	1008	1009	1013	1010	1012	1013	1009	1005
14	1009	1008	1008	1008	1013	1013	1018	1012	1011	1007	983	964	964	966	984	983	994	991	1000	1003	1007	1013	1013	1008	1007	999
15	1007	1008	1008	1009	1008	1009	1013	1018	1018	1008	995	985	975	974	979	989	995	1000	1014	1008	1003	1012	1013	1013	1013	1003
16 Q	1013	1013	1013	1013	1008	1003	1013	1019	1014	1003	994	986	983	989	990	999	1003	1008	1012	1013	1013	1013	1013	1012	1009	1006
17	1009	1009	1010	1018	1013	1013	1013	1012	1012	1003	979	951	959	977	984	970	984	985	999	999	1003	1009	1013	1004	1007	997
18 Q	1006	1006	1007	1007	1012	1022	1019	1017	1012	1006	995	983	981	988	993	999	1003	1002	1007	1008	1008	1010	1008	1008	1009	1005
19 Q	1009	1009	1008	1012	1012	1012	1011	1012	1012	1003	993	989	993	998	1003	1007	1009	1008	1012	1009	1009	1012	1012	1012	1013	**1007**
20 D	1013	1006	1009	1028	1024	1022	1022	1023	1007	1002	989	987	990	993	1007	1004	994	978	979	993	1003	1007	1003	1027	1007	1004
21	1007	1005	1003	1003	1007	1010	1007	1002	1008	993	987	974	979	983	992	994	1002	1004	1007	1011	1007	1007	1008	1008	1011	1000
22 Q	1011	1008	1006	1007	1007	1007	1007	1006	999	991	983	979	988	993	998	999	1002	1006	1007	1007	1009	1011	1012	1010	1008	1002
23	1008	1009	1010	1008	1008	1011	1012	1012	1007	1001	987	978	981	986	994	1007	1009	1002	992	992	999	1009	1017	1014	1012	1002
24	1012	1011	1008	1008	1012	1015	1016	1013	1003	999	991	988	983	973	964	988	990	988	996	1002	1007	1016	1026	1015	1012	1001
25	1012	1007	1007	1009	1011	1012	1012	1007	1016	1003	989	987	980	969	979	988	1002	1007	1002	994	992	1003	1013	1003	1006	1000
26	1006	1005	1006	1008	1011	1004	1007	1007	1003	996	987	984	986	988	995	1001	1002	1008	1008	1009	1012	1012	1013	1023	1006	1003
27	1006	1007	1007	1008	1012	1013	1016	1018	1015	1007	991	983	944	974	996	983	997	998	1007	1007	1009	1008	1010	1011	1012	1001
28	1012	1005	1006	1007	1007	1010	1012	1012	1007	998	987	988	989	996	1002	1005	1007	1007	1007	1007	1007	1037	998	1007	1007	1005
29	1007	1007	1007	1007	1012	1018	1016	1007	1007	998	982	975	958	992	1003	1007	1007	1009	1012	1012	1000	1003	1006	1007	1007	1002
30	1007	1007	1007	1007	1007	1008	1011	1011	1008	998	989	983	986	994	1003	1007	1008	1008	1011	1009	997	1012	1007	1018	998	1004
31 D	998	963	998	1012	1003	989	1018	1014	988	963	972	973	945	988	978	998	969	983	1022	988	1038	1017	990	993	999	992
Mean.	1009	1005	1004	1009	1008	1009	1010	1007	1002	994	984	977	**975**	981	989	993	997	1001	1005	1004	1008	**1014**	1010	1009	1009	1000

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

234. Eskdalemuir. (—Y.) **October, 1922.**

4,000 γ (·04 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 Q	698	707	708	694	698	697	698	697	692	691	692	702	713	720	720	718	714	713	711	708	697	703	701	703	702	704
2	702	702	702	703	702	702	701	698	693	688	696	701	711	719	732	725	713	710	686	682	671	681	703	708	694	701
3	694	687	693	692	697	692	696	698	708	712	713	722	728	728	724	718	712	708	675	686	695	692	707	698	693	703
4	693	691	686	696	696	699	702	702	705	702	707	718	726	729	727	713	710	709	708	699	702	702	700	692	680	705
5 D	679	648	685	684	675	702	760	744	723	759	724	718	717	723	746	738	730	681	680	685	680	643	660	693	681	703
6 D	681	690	691	702	697	707	702	703	700	691	695	701	712	708	713	723	706	653	651	669	696	697	701	718	707	697
7 D	707	660	708	701	695	703	728	719	704	701	702	717	722	712	727	723	706	681	701	695	691	696	696	697	696	704
8	696	685	690	712	706	699	698	697	690	685	686	700	717	707	717	720	717	703	708	702	696	663	668	669	676	697
9	676	690	707	695	698	700	710	702	697	675	691	704	709	718	722	717	710	701	701	695	691	680	676	681	675	698
10	675	701	692	691	694	699	702	701	697	695	696	702	712	722	727	723	717	706	692	700	701	685	676	696	696	701
11	696	700	701	697	702	699	697	696	692	690	690	695	702	707	712	712	708	706	706	706	702	702	701	685	691	700
12	691	685	686	687	683	691	698	695	696	695	691	701	713	727	728	730	733	719	713	707	701	699	698	697	707	703
13	707	723	685	685	691	697	697	697	695	691	697	707	715	723	723	712	717	717	713	707	685	701	702	706	701	704
14	701	701	697	696	696	697	695	692	689	691	692	707	727	733	746	718	724	712	703	701	701	691	692	696	695	704
15	695	692	694	692	695	697	697	696	690	685	685	695	702	707	712	713	716	712	691	690	686	701	702	700	698	698
16 Q	698	700	697	695	696	701	707	700	691	685	691	700	707	712	716	714	708	704	703	702	701	701	701	701	701	701
17	701	702	701	700	697	696	696	701	702	695	696	696	726	733	748	739	738	711	703	701	701	687	685	685	695	**706**
18 Q	694	697	697	698	698	715	695	692	690	685	692	697	706	711	715	715	711	707	707	705	701	700	700	700	700	701
19 Q	700	700	700	700	700	699	696	699	694	690	692	701	718	722	723	716	712	713	711	711	706	705	700	697	683	704
20 D	683	688	690	684	674	683	689	686	690	695	699	707	722	727	729	723	726	706	690	637	704	700	693	675	668	696
21	668	685	695	699	699	691	691	710	705	685	691	700	711	722	722	718	711	705	705	700	699	699	696	695	691	701
22 Q	691	690	694	696	697	700	700	695	690	686	690	705	717	721	721	713	706	701	700	698	697	696	690	695	695	700
23	695	700	700	700	700	700	700	695	689	681	685	695	712	722	722	723	721	723	727	717	700	684	685	684	690	702
24	690	697	699	697	698	701	700	699	690	690	689	706	727	739	741	728	732	658	691	701	694	684	691	699	690	702
25	690	695	699	699	700	702	705	699	694	689	690	707	726	732	733	726	717	710	671	656	680	690	681	684	688	699
26	688	690	694	700	700	699	696	695	690	686	684	696	711	713	712	708	702	703	705	701	700	699	694	675	684	697
27	684	689	700	701	699	700	700	700	695	690	696	714	709	715	727	707	716	716	709	700	697	694	694	692	690	702
28	690	694	696	697	698	700	700	696	690	690	697	708	715	716	716	710	710	707	706	706	694	692	689	684	695	698
29	695	698	707	705	700	700	702	701	706	700	697	711	715	716	711	700	700	698	699	700	694	694	696	699	698	702
30	698	700	699	700	700	700	697	694	689	684	690	701	716	717	715	706	701	700	703	709	690	693	672	684	694	696
31 D	664	707	689	683	699	770	743	703	693	692	696	706	701	717	721	686	693	662	626	685	627	647	668	683	711	**691**
Mean.	691	693	696	696	696	701	703	700	696	693	695	705	715	720	**724**	718	714	702	697	696	693	**688**	690	693	691	701

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

235. Eskdalemuir. (Z.) **October, 1922.**

44,000 γ (·44 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 Q	1006	1006	1000	1002	1002	1003	1005	1006	1006	1006	1004	998	994	998	1002	1009	1007	1006	1009	1010	1012	1007	1010	1009	1009	1005
2	1010	1010	1007	1006	1006	1006	1006	1004	1004	1003	999	996	995	998	1000	1006	1009	1011	1015	1017	1018	1017	1011	990	971	1005
3	972	990	999	1000	995	992	994	999	999	996	996	996	996	999	1003	1007	1008	1012	1027	1028	1016	995	987	960	968	**999**
4	968	985	1000	1003	1004	1004	1004	1006	1007	1006	1004	1004	995	997	1004	1011	1011	1011	1009	1012	1008	1004	1002	989	978	1002
5 D	978	977	976	932	931	935	936	937	965	967	987	996	1038	1028	1048	1135	1195	1179	1125	1032	1008	1008	976	964	969	1010
6 D	969	991	965	964	981	996	999	1004	1009	1016	1016	1015	1016	1032	1032	1048	1056	1052	1037	1028	1024	1019	1008	972	977	1011
7 D	978	973	978	993	994	993	991	997	1005	1010	1015	1013	1016	1029	1029	1029	1037	1041	1026	1024	1021	1005	1009	1005	994	1009
8	995	998	1000	989	993	998	1002	1006	1010	1013	1013	1013	1014	1030	1032	1024	1025	1022	1020	1021	1021	1001	987	990	985	1009
9	985	982	989	998	1002	1006	1002	1006	1002	1006	1002	1001	1002	1005	1010	1013	1017	1022	1022	1021	1021	1002	993	998	994	1005
10	994	994	998	1005	1005	1006	1005	1006	1009	1010	1006	1003	1001	1001	1002	1010	1018	1028	1027	1016	1017	1010	1010	1009	1010	1008
11	1010	1010	1010	1006	1006	1006	1010	1010	1012	1012	1009	1006	1010	1009	1008	1010	1012	1013	1010	1010	1010	1010	1010	1005	997	1009
12	998	1000	1003	1002	1000	998	999	1003	1007	1007	1009	1010	1011	1011	1011	1019	1023	1026	1025	1022	1019	1018	1015	1014	1009	1010
13	1009	991	991	998	1002	1003	1003	1003	1006	1003	999	995	998	999	1003	1012	1014	1014	1014	1015	1019	1015	1011	1010	1010	1005
14	1010	1010	1010	1010	1007	1007	1007	1007	1007	1007	1007	1007	1007	1010	1015	1031	1026	1022	1020	1019	1015	1015	1012	1011	1011	1012
15	1012	1012	1011	1008	1008	1010	1011	1010	1011	1011	1011	1005	1003	1004	1007	1010	1015	1016	1018	1016	1018	1015	1012	1012	1012	1011
16 Q	1012	1011	1009	1008	1008	1004	1000	1000	1004	1007	1005	1004	1000	1000	1001	1004	1008	1008	1008	1008	1008	1010	1009	1008	1008	1006
17	1008	1008	1008	1004	1004	1005	1007	1008	1007	1007	1007	1007	1007	1007	1006	1012	1018	1029	1031	1024	1023	1020	1016	1016	1013	1012
18 Q	1013	1012	1011	1008	1008	1003	1000	1004	1007	1008	1008	1008	1004	1005	1005	1008	1008	1011	1011	1011	1011	1012	1012	1012	1011	1008
19 Q	1012	1012	1009	1009	1008	1008	1008	1007	1009	1011	1008	1001	994	998	1004	1008	1009	1009	1008	1009	1012	1011	1012	1013	1012	1008
20 D	1012	1011	1009	1001	996	994	995	997	1000	1000	1001	997	994	1000	1008	1013	1025	1041	1052	1065	1005	1017	1016	1009	1004	1011
21	1004	1005	1008	1008	1009	1009	1008	1003	1001	1005	1004	1001	1004	1005	1010	1013	1013	1013	1012	1009	1010	1011	1009	1009	1009	1008
22 Q	1009	1009	1009	1009	1009	1009	1009	1009	1012	1012	1008	1005	1005	1005	1009	1012	1012	1009	1009	1009	1009	1009	1009	1008	1008	1009
23	1009	1010	1010	1010	1010	1009	1009	1010	1013	1013	1010	1009	1004	1002	1006	1011	1015	1014	1017	1026	1030	1027	1021	1016	1014	**1013**
24	1014	1013	1013	1012	1010	1010	1009	1009	1010	1006	1005	999	1001	1005	1009	1011	1022	1046	1033	1021	1017	1014	1006	997	997	1012
25	997	1004	1006	1008	1009	1007	1005	1006	1006	1006	1006	1001	1002	1004	1006	1010	1017	1018	1030	1034	1026	1021	1000	1006	1009	1010
26	1009	1010	1010	1002	998	1002	1006	1009	1010	1013	1014	1012	1009	1009	1010	1014	1014	1013	1010	1010	1010	1010	1010	1006	1006	1009
27	1006	1006	1006	1008	1006	1006	1006	1006	1009	1010	1009	1006	1012	1013	1014	1024	1022	1018	1016	1014	1014	1014	1013	1010	1009	1011
28	1009	1009	1008	1009	1009	1009	1009	1010	1013	1014	1013	1007	1006	1008	1010	1010	1010	1010	1010	1010	1013	1006	1008	1006	1005	1009
29	1005	1006	1005	1005	1005	1006	1006	1006	1006	1006	1005	1003	1007	1006	1005	1009	1009	1009	1006	1007	1013	1013	1010	1009	1009	1007
30	1009	1008	1006	1006	1006	1006	1006	1006	1006	1007	1006	1002	1002	1002	1006	1009	1006	1006	1007	1006	1014	1020	1014	1007	1010	1007
31 D	1010	961	962	988	990	959	943	974	988	997	1002	1006	1026	1022	1022	1042	1042	1050	1034	1022	1022	991	994	997	987	1001
Mean.	1001	1001	1001	**1000**	1001	**1000**	**1000**	1002	1005	1006	1006	1004	1006	1008	1011	1019	1023	**1025**	1023	1019	1016	1011	1007	1002	**1000**	1008

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

236. Eskdalemuir. **October, 1922.**

Day.	Terrestrial Magnetic Force.												Character Figures.*		Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +.
	North Component.					West Component.					Vertical Component.					
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range.	Maximum 4,000 γ +		Minimum 4,000 γ +		Range.	Maximum 44,000 γ +		Minimum 44,000 γ +		Range.	ΣR^2.	ρ		
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	$100\gamma^2$			*a.*
1	20 10	1024	984	11 49	40	13 9	728	686	19 42	42	19 45	1013	994	12 30	19	37	0·16	0	86·5
2	23 31	1038	981	15 30	57	13 38	741	656	18 20	85	18 33	1020	966	23 49	54	134	0·57	1	86·5
3	20 23	1098	970	23 55	128	13 10	732	660	18 12	72	18 39	1030	956	23 0	74	270	1·15	1	86·5
4	19 53	1051	942	10 49	109	13 8	734	654	23 30	80	19 18	1013	980	24 0	33	194	0·82	1	86·5
5	22 12	1093	**892**	12 31	**201**	15 45	803	609	18 51	194	16 54	**1219**	944	22 31	**275**	1537	6·52	2	86·5
6	17 12	1077	931	16 30	146	22 30	750	601	16 31	149	16 32	1071	956	2 40	115	567	2·41	1	86·5
7	20 24	1107	941	12 9	166	13 43	733	627	17 10	106	17 10	1049	970	1 0	79	450	1·91	1	86·5
8	21 1	1103	931	12 41	172	12 9	723	631	20 51	92	13 38	1037	982	21 50	55	411	1·74	1	86·5
9	21 22	1067	964	11 7	103	14 15	733	659	0 34	74	17 11	1025	981	1 30	44	180	0·76	1	86·5
10	21 0	1063	969	13 19	94	13 49	733	666	20 48	67	17 49	1030	1000	13 40	30	142	0·60	1	86·5
11	22 54	1052	977	12 13	75	14 31	714	685	9 38	**29**	17 0	1014	995	24 0	19	68	0·29	0	86·5
12	6 8	1028	955	12 20	73	15 50	739	680	4 14	59	17 33	1027	995	6 10	32	98	0·42	0	86·5
13	20 18	1033	975	12 13	58	0 55	729	659	20 11	70	20 10	1023	986	1 36	37	96	0·41	0	86·5
14	20 50	1024	945	14 40	79	14 21	763	685	8 0	78	14 55	1034	1006	9 50	28	131	0·56	1	86·5
15	18 22	1057	969	12 10	88	16 15	717	663	18 12	54	19 29	1020	1003	12 30	17	109	0·46	0	86·5
16	7 2	1023	979	12 0	44	13 36	717	681	9 0	36	20 50	1010	999	6 10	11	34	0·14	0	86·5
17	3 0	1021	935	11 18	86	14 10	754	657	17 28	97	17 28	1043	1004	3 5	39	183	0·78	1	86·5
18	5 15	1032	978	12 0	54	15 8	718	684	8 41	34	0 1	1013	999	5 25	14	43	0·18	0	86·5
19	18 24	1021	987	11 1	**34**	14 15	727	681	24 0	46	23 10	1013	994	12 0	19	36	0·16	0	86·5
20	21 9	1058	934	18 30	124	12 41	737	589	18 39	148	18 37	1084	993	5 25	91	456	1·93	1	86·5
21	7 24	1017	967	11 10	50	12 32	726	668	0 1	58	15 42	1016	999	7 25	17	62	0·26	0	86·5
22	21 51	1018	974	10 55	44	13 54	722	685	8 56	37	15 33	1013	1004	11 0	**9**	34	0·14	0	86·4
23	22 10	1023	974	11 10	49	17 38	733	679	9 43 / 20 21	54	20 0	1031	1001	12 39	30	62	0·26	0	86·4
24	22 9	1037	948	13 31	89	13 20	753	619	17 11	134	17 10	1050	998	12 43	52	286	1·21	1	86·4
25	21 43	1060	963	13 33	97	14 19	741	642	19 19	99	19 19	1037	997	21 50	40	208	0·88	1	86·4
26	22 52	1037	983	12 3	54	12 27	721	673	23 1	48	16 40	1014	998	3 50	16	55	0·23	0	86·4
27	7 15	1023	934	12 15	89	14 26	734	682	0 10	52	15 10	1025	1006	11 0	19	110	0·46	1	86·4
28	20 58	1051	982	10 50	69	11 58	722	657	21 35	65	20 30	1014	1005	22 35	**9**	91	0·39	0	86·4
29	5 2	1022	944	11 50	78	12 30	727	689	20 50	38	20 51	1014	1002	10 40	12	77	0·33	0	86·4
30	23 0	1056	979	22 45	77	12 59	722	651	21 7	71	20 20	1022	1001	12 10	21	114	0·48	1	86·4
31	20 18	**1120**	929	12 6	191	5 21	**806**	**584**	20 5	**222**	17 11	1066	**934**	5 31	132	1032	4·38	2	86·3
Mean.	—	1049	959	—	91	—	737	656	—	80	—	1035	989	—	47	236	—	0·61	86·5
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31	31	—	31	31

* For explanation *see* page 83.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

237. Eskdalemuir. (X.) **November, 1922.**

15,000 γ (·15 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	7.	9.	10.	8.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 D	999	995	997	998	994	992	982	1002	993	984	983	969	953	984	977	998	989	984	1021	988	1002	1003	1037	1003	999	993
2 D	998	1016	984	1002	1002	1009	1003	1001	1000	992	968	978	977	969	997	977	1001	982	1011	1006	1015	1007	1006	1041	1033	998
3 D	1033	1007	1005	1011	987	1001	1010	1002	996	986	993	982	984	983	981	1001	979	987	996	1000	1011	1006	1002	1007	1005	997
4	1005	1002	997	1005	1006	993	1005	1009	986	972	959	980	982	989	991	996	1000	1002	1006	1010	1007	1007	1010	1024	1028	998
5	1028	1010	1000	1005	1013	1010	1011	1012	1006	1001	990	980	981	980	980	997	1001	1004	1006	1005	1010	1014	1014	1011	1011	1003
6 Q	1011	1010	1007	1006	1006	1006	1010	1011	1008	1001	996	986	986	992	996	1000	1002	1007	1007	1007	1010	1010	1010	1010	1010	1004
7 Q	1009	1010	1019	1010	1010	1015	1018	1014	1013	1006	996	991	990	994	995	1004	1010	1010	1010	1010	1009	1009	1010	1011	1010	1007
8	1010	1010	1010	1010	1013	1014	1018	1019	1014	1011	1005	999	990	994	995	982	998	1006	1009	1005	1009	1011	1009	1010	1010	1006
9	1010	1013	1010	1013	1014	1014	1013	1013	1014	1011	1005	996	997	1004	1010	1013	1010	1011	1014	1014	1018	1020	1009	1011	1010	**1011**
10	1009	1007	1008	1024	1010	1012	1019	1019	1010	995	980	983	995	1004	1007	1008	1014	990	1004	1000	999	1001	1006	998	998	1004
11	998	999	999	1000	1004	1006	1009	1008	1004	998	990	985	989	986	994	1000	1004	1005	1007	1007	1007	1006	1010	1005	1006	1001
12	1005	1003	1003	1004	1004	1007	1008	1008	1008	1003	997	990	993	998	1002	1007	1008	1009	1010	1009	1007	1008	1008	1008	1009	1005
13 Q	1009	1003	1002	1005	1006	1009	1011	1012	1011	1004	997	989	993	998	1003	1007	1008	1010	1013	1012	1012	1010	1009	1007	1007	1006
14	1006	1007	1007	1008	1008	1011	1010	1006	1002	997	992	992	996	1001	1006	1007	1016	1017	1022	1016	1016	1016	1016	1012	1012	1008
15	1012	1011	1008	1010	1012	1016	1016	1016	1011	1003	997	991	992	996	998	991	990	1010	1014	1017	1020	1015	1013	1011	1011	1007
16	1010	1008	1007	1011	1011	1013	1015	1014	1010	1006	997	992	992	1000	1005	1006	1015	1015	1015	1015	1015	1015	1015	1012	1011	1009
17	1010	1010	1014	1016	1014	1014	1014	1018	1014	1006	1000	995	992	992	999	1001	1000	1004	1004	1006	1005	1009	1009	1009	1009	1006
18 Q	1009	1007	1008	1009	1012	1017	1015	1018	1014	1009	1001	1000	996	999	1000	1000	1003	1005	1005	1006	1006	1008	1008	1010	1009	1007
19	1008	1008	1008	1008	1009	1012	1013	1013	1012	1008	998	995	994	998	999	1002	1003	1004	1003	1007	1008	1009	1009	1017	1005	1006
20	1004	1003	1007	1008	1007	1017	1013	1013	1012	1008	1007	1003	1001	1005	1005	1003	1007	1012	1013	1016	1014	1007	1011	1010	1008	1009
21	1007	1007	1007	1009	1011	1015	1011	1015	1008	1011	1001	994	997	1006	1006	1004	1009	1011	1011	1007	1006	1008	1006	1006	1006	1007
22	1005	1003	1014	1010	1006	1010	1011	1001	1005	1004	1000	995	995	996	1001	1006	1009	1010	1005	1009	996	1007	1004	1009	1002	1005
23	1002	1001	997	1002	1004	1005	1006	1005	1004	995	991	992	995	1000	1004	1005	1009	1010	1011	1011	1010	1008	1009	1010	1006	1004
24	1005	1004	1000	1004	1005	1009	1006	1005	1004	1000	994	990	989	994	1000	1005	1003	1005	1002	1008	1004	1014	1004	1004	1004	1002
25	1003	1007	999	1003	1003	1004	1007	1004	1003	999	998	994	994	996	999	1003	1004	1003	1007	1009	1008	1004	1004	1004	1003	1002
26 Q	1002	1002	1007	1007	1007	1006	1008	1007	1003	1001	998	998	1002	1004	1007	1007	1007	1008	1008	1010	1008	1008	1007	1007	1005	1005
27	1004	1002	1002	1005	1005	1006	1006	1006	1006	1002	997	997	997	997	1002	1007	1011	1016	1012	1012	977	993	993	992	962	1001
28 D	961	957	991	986	991	999	997	997	996	981	987	982	985	989	995	992	982	971	981	986	993	993	996	1000	996	988
29 D	996	995	992	988	998	1015	1002	986	980	991	981	961	952	946	957	987	990	997	985	1000	999	987	1001	1010	997	**987**
30	996	994	992	986	987	996	1000	995	996	990	985	979	970	964	971	990	986	989	1016	990	990	1009	1005	995	995	990
Mean.	1005	1004	1003	1005	1005	1008	**1009**	1008	1005	999	993	989	**988**	992	996	1000	1002	1003	1008	1007	1006	1007	1008	**1009**	1006	1003

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

238. Eskdalemuir. (—Y.) **November, 1922.**

4,000 γ (·04 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 D	711	703	692	690	695	702	707	716	702	693	701	711	696	717	690	706	704	695	678	684	679	754	667	678	680	694
2 D	680	668	695	699	708	706	716	710	700	695	691	702	719	712	700	711	679	690	686	690	690	689	684	669	701	696
3 D	701	683	684	690	690	701	697	697	695	682	692	707	707	710	710	658	699	701	701	691	679	684	690	691	696	693
4	696	710	717	701	696	705	698	705	691	694	689	698	709	711	711	706	702	700	695	696	694	694	695	690	689	700
5	689	675	690	700	696	696	699	694	688	684	685	695	705	711	706	706	705	701	699	699	684	689	689	690	695	695
6 Q	695	695	696	697	697	699	696	691	689	685	690	698	706	712	711	707	702	701	699	696	695	686	691	696	696	697
7 Q	696	699	701	694	701	701	701	696	691	684	683	690	698	707	706	705	702	701	700	696	695	694	694	695	695	697
8	695	700	700	701	701	701	701	699	695	691	691	706	707	716	719	705	715	711	706	701	697	696	695	696	696	**702**
9	696	697	699	701	700	698	696	698	696	690	695	701	709	715	712	710	706	703	701	697	697	706	696	696	694	701
10	694	691	705	683	675	684	689	690	690	689	698	698	709	718	719	717	722	706	636	702	695	680	659	684	691	693
11	691	699	695	697	697	697	697	696	695	693	695	701	706	711	707	705	702	702	701	698	696	689	689	690	691	698
12	691	697	697	695	695	696	695	695	695	690	692	696	706	710	707	705	702	701	703	694	704	695	694	693	692	698
13 Q	692	691	698	699	695	694	694	694	690	690	699	703	711	712	710	706	702	705	702	701	701	692	690	696	696	699
14	696	697	697	697	698	696	695	695	691	690	695	699	706	706	705	702	706	706	705	701	698	696	696	696	696	699
15	696	696	697	700	701	701	699	695	691	689	690	696	706	717	718	728	715	702	703	701	701	696	696	695	696	701
16	696	696	696	699	700	697	698	696	695	690	690	696	705	708	711	706	706	703	701	700	699	699	698	699	700	699
17	700	702	706	705	698	700	701	696	695	689	692	695	706	712	712	709	705	701	700	687	695	695	696	696	697	700
18 Q	697	697	700	697	706	696	696	696	695	695	696	705	710	712	711	706	702	701	699	695	695	691	690	690	696	699
19	696	702	701	701	701	701	697	696	695	695	695	703	710	710	710	707	702	701	699	696	695	691	690	686	690	699
20	690	696	697	696	706	695	696	696	695	691	695	701	705	709	710	706	707	705	705	701	701	695	695	695	695	700
21	695	695	695	696	697	697	696	695	696	695	698	698	717	710	709	706	711	710	706	698	679	675	686	694	690	698
22	690	686	689	680	693	695	695	695	695	694	695	701	710	711	711	707	706	706	702	697	691	691	694	696	691	697
23	691	691	697	694	697	701	697	695	695	691	695	702	711	711	706	700	699	700	697	696	695	695	695	692	691	698
24	691	688	689	694	694	695	695	692	694	692	695	701	707	707	706	701	701	701	691	699	696	689	689	691	691	696
25	691	699	696	696	697	696	696	695	695	696	700	706	710	707	706	702	701	701	689	696	696	693	691	695	695	698
26 Q	695	693	699	694	695	697	698	696	695	695	701	707	712	712	707	705	702	701	701	699	697	697	699	696	695	700
27	695	695	696	699	696	699	696	696	696	700	702	707	712	711	711	705	706	706	706	712	690	658	682	679	712	698
28 D	712	721	667	686	687	687	690	690	691	697	702	707	709	706	705	700	696	677	687	689	670	686	679	683	694	692
29 D	664	679	663	707	679	674	670	705	726	706	697	695	707	711	705	695	694	668	684	643	649	675	683	686	679	**686**
30	679	655	686	687	690	691	699	705	698	701	701	710	707	699	704	692	693	691	671	680	686	679	689	690	690	691
Mean.	693	693	695	696	696	697	697	697	695	692	695	701	708	**711**	709	704	703	700	695	695	691	**688**	689	691	693	697

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

239. Eskdalemuir. (Z.) **November, 1922.**

44,000 γ (·44 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 D	987	975	995	1000	1000	997	997	997	1001	1005	1005	1005	1017	1014	1027	1029	1026	1026	1020	1018	1017	1017	1001	993	990	**1007**
2 D	989	973	981	984	984	988	989	993	997	1001	1004	1004	1006	1015	1021	1029	1039	1029	1021	1016	1009	1006	1008	997	966	1003
3 D	966	972	977	961	970	977	985	992	996	1000	997	998	1001	1008	1021	1049	1031	1021	1016	1014	1012	1008	1005	1004	1004	1000
4	1004	993	988	992	996	996	996	998	1004	1004	1005	1004	1004	1008	1008	1009	1011	1009	1008	1008	1008	1008	1006	1003	994	1003
5	994	992	996	996	997	1000	1000	1000	1001	1001	998	998	1000	1004	1008	1009	1009	1008	1008	1007	1006	1004	1004	1004	1001	1002
6 Q	1000	999	999	999	999	999	999	1000	1000	1000	995	995	995	996	1000	1003	1005	1004	1003	1003	1000	1003	1001	1000	999	1000
7 Q	999	999	992	995	995	995	995	995	996	999	995	995	995	996	1000	1003	1002	1002	1001	1000	1000	1000	1000	1000	999	998
8	999	999	999	999	999	999	997	996	996	997	995	995	995	995	999	1008	1007	1004	1004	1006	1004	1003	1003	1001	999	1000
9	999	997	999	999	999	997	996	996	996	996	995	995	994	994	996	1000	1003	1004	1005	1001	999	999	1003	1003	1003	999
10	1003	1000	995	983	987	991	991	991	995	997	997	997	998	998	999	999	1000	1011	1050	1016	1015	1011	1011	1005	1003	1002
11	1003	999	1000	1001	1000	1001	1000	1001	1001	1003	1000	1000	1000	1003	1007	1007	1007	1007	1004	1004	1004	1004	1003	1003	1001	1003
12	1001	999	999	999	999	999	999	999	999	999	995	995	995	995	995	999	999	999	999	1002	1000	1002	1003	1000	999	999
13 Q	998	996	995	991	993	995	996	996	996	996	995	994	991	994	995	998	998	998	997	998	996	998	998	996	995	996
14	995	994	994	994	994	994	994	995	997	996	996	996	995	994	995	995	994	994	994	994	994	994	994	994	994	995
15	993	993	992	991	990	990	990	991	993	994	994	994	993	994	998	1001	997	997	997	994	993	994	993	994	993	994
16	993	993	993	990	990	990	990	990	991	993	993	990	989	993	993	993	993	991	990	991	991	990	989	989	989	991
17	989	989	986	983	985	986	986	986	987	990	990	990	990	990	991	993	993	993	993	994	992	993	993	990	990	990
18 Q	989	989	988	987	984	984	984	984	984	984	984	984	982	984	988	989	989	989	989	989	988	989	989	988	988	987
19	987	987	987	986	985	984	983	983	983	983	983	980	983	987	989	991	991	991	991	988	988	988	988	987	987	986
20	987	987	984	984	983	980	981	981	980	980	983	980	979	980	984	987	987	987	986	984	984	987	987	984	984	983
21	983	983	983	982	982	979	979	978	979	978	977	978	978	979	982	984	984	983	983	986	990	989	983	986	976	982
22	975	973	970	976	977	978	977	978	979	979	977	974	973	977	981	981	982	982	985	985	989	989	989	985	983	980
23	982	983	981	982	981	980	980	980	980	980	980	977	977	980	984	984	984	982	981	980	980	980	980	980	978	981
24	977	979	979	979	980	979	979	980	980	981	983	980	980	983	984	984	984	983	984	983	983	980	980	979	979	981
25	979	976	978	977	979	979	979	979	979	979	976	977	979	980	983	983	983	983	984	983	980	980	981	980	979	980
26 Q	978	978	978	978	978	978	978	978	978	975	974	971	972	975	975	978	978	978	978	978	978	978	978	978	978	977
27	977	977	975	974	974	974	974	974	973	973	972	972	973	973	974	974	977	977	977	977	990	1009	990	982	957	977
28 D	956	917	949	962	972	973	973	973	973	973	972	972	973	976	977	980	984	996	993	988	989	988	987	981	977	974
29 D	976	972	960	954	965	967	964	964	963	967	973	979	984	992	999	1000	992	992	990	991	984	982	972	955	953	976
30	951	949	939	950	961	965	965	965	965	966	965	965	969	978	985	986	986	981	980	977	977	973	966	969	972	**969**
Mean.	987	**984**	**984**	**984**	986	986	987	987	988	989	988	988	989	991	995	**997**	**997**	**997**	**997**	995	995	995	993	990	987	991

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

240. Eskdalemuir. **November, 1922.**

Day.	Terrestrial Magnetic Force.												Character Figures.*		Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +.
	North Component.					West Component.					Vertical Component.					
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range.	Maximum 4,000 γ +		Minimum 4,000 γ +		Range.	Maximum 44,000 γ +		Minimum 44,000 γ +		Range.	ΣR^2	ρ		
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	100 γ^2			a.
1	17 40	**1061**	934	11 38	**127**	0 20	**750**	621	21 32	129	14 24	1037	966	0 39	71	378	4·07	2	86·3
2	23 0	1060	957	10 4	103	12 40	730	636	17 32	94	15 30	1045	965	24 0	80	258	2·77	1	86·3
3	0 8	1039	947	14 23	92	14 8	732	620	14 37	112	14 54	1056	960	0 18	**96**	302	3·25	1	86·2
4	23 43	1040	950	10 11	90	0 38	730	674	23 28	56	15 49	1012	988	2 20	24	118	1·27	1	86·2
5	0 1	1026	976	10 30	50	13 23	711	668	1 0	43	14 15	1010	989	0 30	21	48	0·52	0	86·2
6	21 0	1013	981	11 20	32	13 10	712	682	20 55	30	16 35	1006	995	10 31	11	20	0·22	0	86·1
7	1 59	1024	986	11 40	38	1 38	717	679	9 52	38	14 32	1003	991	2 0	12	30	0·33	0	86·1
8	20 38	1014	976	14 47	38	13 33	721	689	9 46	32	15 30	1011	994	12 40	17	28	0·29	0	86·1
9	20 35	1028	994	11 45	34	13 20	721	690	9 12	31	17 40	1007	993	11 40	14	23	0·25	0	86·1
10	2 45	1032	955	17 22	77	16 53	733	**593**	17 44	**140**	17 40	**1071**	981	2 50	90	336	3·62	1	86·1
11	22 0	1014	980	10 52	34	12 52	716	680	21 1	36	16 26	1007	999	1 0	8	25	0·27	0	86·1
12	17 38	1016	988	11 16	28	13 22	711	684	19 5	27	19 20	1003	993	13 18	10	16	0·17	0	86·1
13	18 25	1017	988	11 1	29	13 8	716	688	21 3	28	21 11	999	991	12 22	8	17	0·18	0	85·9
14	18 2	1028	991	10 51	37	15 29	711	689	8 40	**22**	8 10	998	992	16 30	6	19	0·20	0	85·9
15	19 48	1026	963	15 36	63	15 20	737	685	9 32	52	15 31	1002	990	4 30	12	68	0·73	0	85·9
16	15 59	1020	987	10 53	33	13 20	714	689	10 0	25	14 41	994	989	6 45	**5**	17	0·19	0	85·9
17	2 52	1024	989	11 56	35	13 40	716	680	18 58	36	19 9	994	981	2 58	13	27	0·29	0	85·9
18	22 39	1019	995	13 2	24	12 46	717	684	21 11	33	15 33	991	981	12 11	10	18	0·19	0	95·9
19	22 41	1023	993	10 20	30	12 12	711	678	23 34	33	17 40	991	979	11 10	12	21	0·23	0	85·8
20	4 51	1018	997	15 31	21	13 33	715	689	5 8	26	15 30	988	979	12 10	9	12	0·13	0	85·8
21	20 41	1026	983	10 38	43	11 50	719	663	20 12	56	20 33	994	975	9 38	19	53	0·57	0	85·7
22	2 12	1020	990	20 11	30	13 52	713	675	3 0	38	20 38	991	970	1 58	21	28	0·30	0	85·7
23	23 15	1019	986	11 43	33	11 29	714	689	3 10	25	15 22	984	976	11 19	8	18	0·19	0	85·6
24	21 12	1023	985	11 32	38	12 12	712	683	21 5	29	18 18	986	978	0 20	8	23	0·25	0	85·7
25	18 33	1014	992	12 29	22	11 59	711	684	18 5	27	18 18	984	975	1 15	9	13	0·14	0	85·7
26	20 40	1012	997	10 20	**15**	12 20	713	689	8 11	24	17 0	978	970	11 28	8	9	0·09	0	85·6
27	18 40	1020	957	20 20	63	19 32	721	631	20 28	90	20 32	1016	962	24 0	54	150	1·61	1	85·7
28	23 56	1005	**902**	0 22	103	0 44	749	657	1 58	92	17 11	997	**912**	0 40	85	263	2·83	1	85·7
29	19 20	1047	928	13 30	119	2 38	734	619	19 14	115	14 38	1003	950	2 55	53	302	3·25	1	85·7
30	17 55	1030	945	12 58	85	12 41	717	647	1 22	70	14 48	998	937	2 3	52	148	1·59	1	85·6
Mean.	—	1025	973	—	52	—	721	668	—	53	—	1005	977	—	28	93	—	0·33	85·9
No. of Days used.	—	30	30	—	30	—	30	30	—	30	—	30	30	—	30	30	—	30	30

* For explanation *see* page 83. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

TERRESTRIAL MAGNETIC FORCE: NORTH COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

241. Eskdalemuir. (X.) 15,000 γ (·15 C.G.S. unit) + **December, 1922.**

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	994	994	994	997	997	999	999	999	999	997	994	984	971	971	979	970	974	974	978	973	994	1003	1009	996	997	989
2	997	998	1017	999	1000	999	993	994	999	999	994	989	984	981	981	986	991	996	999	1000	1001	999	998	998	997	995
3 Q	996	997	999	996	997	997	997	997	998	997	997	995	992	993	993	994	996	997	999	1000	997	996	994	993	993	996
4	993	993	994	996	997	998	998	998	997	996	996	994	992	991	991	990	992	995	997	1000	1000	999	997	997	997	996
5 D	996	996	997	999	1002	1014	1023	1028	1016	1013	1003	993	992	995	997	996	1000	1001	998	993	996	994	993	997	1011	**1002**
6	1011	990	994	992	986	991	1003	991	996	995	991	987	988	984	973	987	978	986	999	999	999	1011	1006	992	987	992
7	986	997	995	995	991	995	995	996	995	990	989	986	986	989	989	989	992	1000	1000	1001	1000	999	996	995	992	994
8 Q	992	992	994	995	995	998	1001	1000	995	994	991	985	980	980	989	992	995	1000	1000	1000	1000	997	997	994	993	994
9	992	993	994	994	995	996	994	998	999	994	986	981	980	984	991	996	999	1000	1001	1000	1000	999	1006	1000	991	995
10 D	991	994	999	999	1006	1008	1004	1005	995	999	996	994	991	992	999	987	989	993	995	1008	1007	1008	993	991	993	998
11	992	989	986	987	1003	995	1001	1004	1003	999	993	986	989	993	998	998	999	1001	1001	1000	999	1000	989	996	993	996
12	992	989	991	990	990	994	997	994	994	993	978	978	986	987	980	990	991	988	988	989	986	977	987	991	991	988
13	991	990	990	993	994	1001	998	992	996	996	990	986	983	988	991	993	995	997	998	998	996	991	998	990	993	993
14 D	992	991	992	994	1001	1004	1006	1006	1000	986	984	981	982	979	975	987	992	997	996	985	990	989	994	991	990	991
15 D	990	986	987	986	1002	1001	1001	990	988	987	979	974	974	980	983	980	983	983	982	986	985	986	986	987	989	986
16 Q	989	991	988	989	985	992	991	992	990	990	988	990	989	991	995	995	994	995	996	996	993	992	992	991	992	991
17	991	990	990	991	995	995	995	998	995	995	993	989	989	994	997	995	993	993	996	996	996	998	997	1000	994	994
18	994	993	995	996	996	1001	1002	1001	999	1000	1000	1000	1000	1001	1001	1002	1001	1000	996	999	998	996	995	995	997	998
19	997	996	998	994	999	1003	1005	1006	1005	1001	995	992	989	998	1000	1002	1000	1000	998	999	998	995	995	1000	996	999
20	995	993	992	993	995	1000	1003	1006	1004	1002	995	992	993	991	990	989	993	995	996	993	991	994	993	993	991	995
21	991	992	994	993	994	1000	1005	1002	1000	996	990	988	989	990	992	995	995	*	—	—	—	—	—	—	—	*
22 Q	—	—	—	—	—	—	—	—	—	*	989	987	990	995	1000	999	999	999	997	996	998	998	996	995	994	*
23 Q	993	993	993	994	997	998	998	998	997	994	992	992	996	1000	1003	1003	1004	1004	1005	1004	1002	999	998	999	997	998
24	997	999	999	998	995	1002	1005	1004	1002	998	992	989	992	995	996	997	995	996	999	1002	999	1002	1004	998	998	998
25	998	996	996	995	1000	1003	1004	1006	1008	998	988	981	987	992	997	976	982	987	995	998	994	992	998	998	998	995
26 D	998	996	999	999	999	1001	992	983	986	970	983	982	982	968	953	954	974	988	981	993	1006	987	988	991	993	**985**
27	993	992	989	983	988	994	997	998	997	992	984	984	986	991	991	994	995	997	994	994	996	996	996	996	993	992
28	992	997	995	994	994	998	1004	1003	1000	993	993	993	993	995	998	1000	997	989	987	992	994	998	1006	997	992	996
29	992	988	988	992	997	1000	1004	1004	1002	999	993	987	986	987	988	988	988	988	995	989	991	983	993	996	993	992
30	993	993	993	997	997	1007	1009	1002	996	993	981	978	977	981	982	973	967	974	976	985	986	988	991	994	997	988
31	997	996	991	997	997	1002	1002	1002	1002	1002	996	991	988	988	988	988	991	993	995	993	994	994	994	994	996	995
Mean.†	994	993	994	994	996	1000	**1001**	1000	998	995	991	**987**	**987**	988	989	989	991	993	994	995	996	995	996	995	994	994

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

242. Eskdalemuir. (—Y.) 4,000 γ (·04 C.G.S. unit) + **December, 1922.**

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	690	695	695	699	697	695	695	692	694	691	700	696	695	710	709	679	711	707	697	695	695	690	689	689	691	696
2	691	696	705	688	689	694	690	696	701	700	701	706	706	701	700	699	699	696	695	694	692	690	690	690	691	696
3 Q	691	695	694	691	693	695	693	690	693	693	696	701	703	704	701	698	695	695	694	694	690	687	688	689	691	694
4	691	695	695	693	693	695	693	692	692	691	697	701	705	704	700	696	693	695	695	695	693	692	694	694	695	695
5 D	695	695	696	697	699	703	715	714	703	706	705	700	706	710	711	711	708	709	708	701	695	676	679	682	669	**700**
6	669	674	675	677	679	689	691	697	695	695	698	700	701	704	697	700	711	687	696	694	690	684	681	687	684	691
7	684	698	685	689	692	696	695	695	695	694	698	703	700	705	700	699	696	695	695	695	693	690	688	691	692	695
8 Q	692	692	693	694	694	693	692	693	691	693	695	696	700	706	701	700	698	697	697	695	693	690	690	692	693	695
9	693	695	696	695	695	695	695	692	694	693	692	696	703	706	705	700	699	697	695	695	694	692	696	690	691	696
10 D	691	697	696	695	697	694	692	697	700	701	698	701	711	705	712	706	699	701	696	688	679	675	684	680	692	696
11	692	692	689	705	693	689	690	691	696	695	700	698	701	706	705	701	697	697	696	695	695	696	663	658	647	692
12	647	679	685	695	693	694	695	693	692	693	696	704	704	705	703	703	700	696	695	679	674	675	676	687	690	691
13	690	695	695	695	697	695	692	694	695	693	696	701	699	706	703	699	696	696	695	695	695	687	685	694	691	695
14 D	691	692	695	695	697	695	696	698	698	705	711	713	716	721	712	708	705	698	697	660	609	659	687	696	697	694
15 D	697	690	708	695	681	682	695	695	700	705	706	707	713	717	715	709	705	706	700	674	685	688	681	684	689	697
16 Q	689	690	693	695	695	693	692	692	694	694	694	696	696	699	700	698	696	695	695	692	690	688	685	688	694	693
17	694	694	695	695	696	696	696	694	690	690	693	696	699	700	699	699	695	692	695	692	690	688	691	690	692	694
18	692	695	695	695	694	695	695	695	695	697	700	699	698	700	699	700	699	695	695	695	693	691	691	693	689	696
19	689	699	691	693	693	692	695	695	695	695	696	698	698	705	701	698	696	696	695	695	693	690	690	689	682	695
20	681	691	692	691	690	689	695	694	695	695	696	694	700	703	706	710	704	698	697	695	691	688	686	685	683	694
21	683	686	689	689	691	689	689	690	694	696	698	699	700	706	705	698	696	695	694	692	690	689	683	689	690	693
22 Q	690	692	694	691	693	694	694	693	690	693	696	700	705	706	701	698	695	695	695	695	691	689	689	689	689	695
23 Q	689	691	692	694	695	694	694	694	692	691	696	698	700	703	701	697	696	696	695	694	694	692	689	685	692	694
24	692	695	695	694	696	696	694	694	694	693	693	696	701	705	702	698	695	694	693	693	692	683	681	682	686	694
25	686	690	689	689	692	694	696	697	696	693	700	702	711	710	711	711	697	700	697	678	686	682	681	686	689	695
26 D	689	695	695	695	694	696	699	713	741	718	702	701	698	704	683	702	662	688	689	674	673	683	679	688	693	694
27	692	690	689	690	693	687	688	688	688	688	690	695	702	702	697	696	694	694	693	687	688	688	687	686	686	691
28	686	691	696	690	693	694	691	691	689	688	688	695	699	702	699	697	693	696	690	688	686	686	672	677	682	691
29	682	683	687	692	690	693	693	693	688	687	689	690	694	703	703	698	699	693	687	691	677	667	660	653	664	**687**
30	664	677	676	672	672	682	688	693	696	697	692	698	706	709	711	710	703	699	699	689	686	674	672	674	676	689
31	676	683	692	697	693	692	691	690	690	694	690	693	696	698	698	694	692	689	688	687	687	687	683	682	685	690
Mean.†	686	691	692	693	692	693	694	695	696	695	697	699	702	**705**	703	701	698	696	695	690	686	685	**683**	685	686	694

† Mean for 29 days, 21st and 22nd omitted. * Burner sooted up.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for computation of Tables 257–262.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

243. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit) + **December, 1922.**

Hour. G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	972	971	971	970	969	969	969	970	969	969	967	970	974	974	978	990	989	986	989	990	986	979	975	975	975	**976**
2	973	972	960	958	960	962	964	965	965	964	966	967	969	974	977	979	978	976	974	973	973	972	972	972	972	969
3 Q	971	969	967	967	967	967	967	967	967	966	962	963	965	967	970	971	971	971	971	970	971	971	971	971	971	968
4	970	969	968	968	967	967	966	966	966	965	961	963	966	967	970	971	973	971	970	969	969	969	968	967	968	968
5 D	967	967	966	965	965	962	957	953	955	953	954	960	960	961	962	965	967	973	973	974	974	976	974	968	949	964
6	948	951	956	953	956	959	960	960	959	960	960	960	961	963	964	964	964	964	964	963	966	964	963	967	971	961
7	971	972	976	982	976	975	970	965	964	963	961	961	964	964	964	964	965	964	964	964	964	964	964	965	966	967
8 Q	965	966	967	968	969	968	967	965	963	960	961	962	963	963	964	967	967	967	967	967	966	966	965	963	963	965
9	962	962	962	962	962	962	962	959	957	957	959	960	958	958	961	963	965	965	965	965	965	963	961	961	962	961
10 D	961	961	960	960	958	957	958	957	957	957	957	957	955	956	957	964	969	969	970	969	968	966	963	961	957	961
11	956	956	955	956	954	956	956	955	954	952	952	955	956	955	957	960	960	960	959	959	959	959	964	953	951	957
12	951	952	953	955	956	957	957	958	957	956	955	956	957	960	963	962	963	963	964	967	966	967	967	961	959	959
13	959	957	957	957	956	955	956	956	956	956	955	956	956	957	959	960	960	959	959	958	959	962	958	957	953	957
14 D	953	955	956	956	955	954	953	952	953	952	951	952	953	958	964	964	963	961	961	971	983	963	955	955	956	958
15 D	956	958	951	939	941	944	948	951	952	953	956	960	960	960	964	965	967	968	969	974	969	967	964	962	959	958
16 Q	959	957	956	956	956	956	956	956	956	956	956	956	958	957	958	959	959	957	956	956	957	958	959	958	956	957
17	956	956	956	955	953	952	952	952	953	953	954	955	956	956	958	957	958	957	956	956	956	955	955	953	953	955
18	953	953	952	952	952	951	950	949	949	949	951	952	952	952	952	953	953	952	952	952	952	952	952	952	952	952
19	952	950	949	949	949	948	948	947	947	948	948	950	951	949	949	951	952	952	951	951	950	950	951	950	951	950
20	951	951	949	949	949	948	947	946	945	945	947	948	947	948	950	953	955	955	953	953	953	954	954	954	954	950
21	954	953	952	952	951	949	949	948	947	947	948	949	949	949	952	953	953	954	956	954	952	951	951	949	948	951
22 Q	948	948	947	947	946	944	944	943	941	941	942	943	944	945	946	944	944	945	945	945	945	945	944	944	943	945
23 Q	943	943	943	943	943	943	942	942	942	941	943	944	943	942	943	942	943	944	943	943	942	943	944	942	941	943
24	941	940	940	941	941	941	940	940	940	941	942	943	940	940	942	943	943	944	944	943	943	944	940	942	942	942
25	942	941	941	941	940	940	938	937	937	939	939	939	939	939	941	947	951	951	950	951	948	947	945	942	939	943
26 D	939	938	937	937	937	937	936	935	928	929	934	938	940	943	956	964	976	963	956	954	945	944	944	941	940	944
27	941	939	938	940	940	940	941	941	942	941	942	942	943	944	946	946	945	944	945	946	945	945	944	943	942	943
28	942	940	938	938	939	939	938	939	939	940	938	939	941	941	942	943	945	946	946	946	945	942	938	936	936	941
29	937	938	938	938	938	938	938	937	938	938	937	938	939	939	941	943	943	944	944	944	946	947	945	941	938	940
30	938	936	935	933	934	931	930	929	930	933	936	938	938	941	943	947	951	954	954	953	951	950	946	943	940	941
31	941	938	937	934	936	936	936	938	937	936	935	934	936	939	942	943	943	941	940	940	941	942	942	942	941	**939**
Mean.†	954	954	953	952	952	952	952	**951**	**951**	**951**	**951**	952	953	954	956	959	**960**	959	959	959	959	958	957	955	954	955

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: CHARACTER RATIOS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

244. Eskdalemuir. **December, 1922.**

Day.	Terrestrial Magnetic Force												Character Figures.*		Magnetic Character of Day (0—2).	Temperature in Magnet House 200 +.
	North Component.					West Component.					Vertical Component.						ΣR^2	p		
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range.	Maximum 4,000 γ +		Minimum 4,000 γ +		Range.	Maximum 44,000 γ +		Minimum 44,000 γ +		Range.				
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ				
1	22 3	1023	955	14 53	68	13 33	716	673	15 17	43	15 23	**996**	966	10 20	30		74	1·33	1	85·6
2	2 4	1023	965	14 20	58	1 38	713	680	3 2	33	15 20	980	956	2 35	24		50	0·91	0	85·6
3	0 38	1002	990	22 0	**12**	10 56	706	684	21 4	22	15 50	972	962	10 0	10		7	0·13	0	85·5
4	5 29	1001	987	15 26	14	12 54	706	689	15 40	17	15 58	973	961	10 30	12		6	0·11	0	85·5
5	6 43	**1040**	982	23 43	58	6 27	722	653	23 46	69	21 37	977	947	24 0	30		90	1·63	1	85·5
6	0 1	1035	959	16 36	76	15 48	716	661	0 20	55	24 0	971	944	0 9	27		95	1·72	1	85·6
7	0 51	1018	981	0 1	37	0 56	715	679	0 5	36	3 10	984	960	10 20	24		32	0·58	0	85·5
8	17 58	1002	978	12 38	24	13 6	707	687	21 20	20	4 7	971	959	9 0	12		11	0·20	0	85·5
9	21 55	1025	979	11 42	46	21 55	715	684	23 36	31	15 40	966	955	8 20	11		32	0·58	0	85·5
10	20 5	1023	970	15 21	53	14 10	723	659	20 27	64	18 15	973	953	12 18	20		73	1·32	1	85·5
11	20 33	1011	970	22 22	41	22 33	720	610	23 14	110	22 22	970	948	22 59	22		143	2·57	1	85·5
12	19 30	1011	968	20 57	43	11 19	707	647	0 1	60	21 30	968	951	0 1	17		57	1·04	0	85·5
13	21 53	1026	981	11 45	45	13 12	709	663	20 48	46	21 1	964	952	23 53	12		43	0·77	0	85·4
14	19 34	1023	965	13 56	58	12 55	727	**567**	19 39	**160**	19 45	993	949	9 52	**44**		309	5·57	1	85·4
15	19 18	1007	964	18 58	43	12 44	722	645	19 5	77	19 5	978	936	3 1	42		95	1·72	1	85·4
16	14 43	997	981	3 50	16	13 5	701	681	22 20	20	15 45	960	955	4 30	5		7	0·12	0	85·3
17	22 45	1007	986	11 31	21	13 51	701	684	21 13	17	13 53	959	952	6 40	7		8	0·14	0	85·5
18	23 30	1004	990	0 30	14	10 6	701	685	23 50	**16**	15 38	955	948	8 50	7		5	0·09	0	85·3
19	23 12	1010	987	11 40	23	13 0	706	679	23 40	27	16 0	953	947	7 35	6		13	0·23	0	85·2
20	6 23	1009	988	14 45	21	14 40	712	679	0 3	33	21 40	955	944	8 30	11		17	0·30	0	85·2
21	5 45	1007	986	11 50	21	13 31	710	673	0 30	37	17 25	959	945	11 54	14		20	0·36	0	85·2
22	16 22	1003	985	11 13	18	12 38	710	686	20 58	24	0 1	949	940	8 40	9		10	0·18	0	85·0
23	19 27	1006	991	10 10	15	12 52	704	682	23 5	22	11 18	944	940	8 45 / 13 20	**4**		7	0·13	0	84·9
24	21 59	1018	988	10 56	30	13 10	706	669	21 25	37	21 46	945	939	12 35	6		23	0·42	0	84·8
25	7 58	1012	959	15 21	53	13 34	723	659	19 15	64	19 16	952	936	7 50	16		72	1·29	1	84·7
26	20 0	1027	**936**	13 55	**91**	7 45	**759**	624	16 16	135	16 16	981	964	8 0	17		268	4·84	1	84·7
27	6 34	1001	974	3 18	27	12 6	704	679	18 40	25	18 47	948	938	2 10	10		15	0·26	0	84·6
28	22 2	1012	980	17 43	32	1 56	703	667	22 6	36	17 43	948	935	24 0	13		25	0·45	0	84·6
29	7 5	1007	978	21 20	29	13 25	706	650	23 10	56	21 21	949	936	0 1	13		41	0·75	0	84·6
30	6 15	1014	963	15 43	51	14 39	715	666	0 8	49	18 20	954	**927**	6 36	27		57	1·03	0	84·6
31	8 38	1006	985	2 8	21	2 42	700	674	0 1	26	15 10	943	933	2 53	10		12	0·22	0	84·6
Mean.	—	1013	976	—	37	—	712	665	—	47	—	964	948	—	17		55	—	0·29	85·2
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31		31	—	31	31

* For explanation *see* page 83. † Mean for 29 days, 21st and 22nd omitted.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 257–262.

DIURNAL INEQUALITIES OF THE GEOGRAPHICAL COMPONENTS OF MAGNETIC FORCE.

(Not corrected for the effect of the North Force on the West Magnetograph, or *vice versa*, or for the effect of the Horizontal Force on the V.F. Balance.)

Departures from mean of the day adjusted for non-cyclic change.

NORTH COMPONENT (*all days except Jan. 8, 9, Dec. 21, 22*).

245. Eskdalemuir. **1922.**

Month and Season.	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	+ 1·9	− 0·1	− 1·0	+ 1·9	+ 3·8	+ 5·4	+ **6·2**	+ 5·1	+ 1·2	− 4·3	− 5·2	− **6·2**	− 5·0	− 2·3	− 1·9	− 3·4	− 2·0	+ 0·1	− 0·2	+ 0·4	− 0·9	+ 1·5	+ 3·3	+ 1·7
Feb. ...	+ 1·0	+ 0·5	+ 2·6	+ 2·3	+ 4·7	+ **5·5**	+ 1·1	+ 1·3	+ 1·0	− 4·5	− 8·0	− **9·1**	− 7·2	− 4·8	− 1·7	− 2·6	− 2·1	+ 0·8	+ 1·3	+ 2·9	+ 2·9	+ 3·3	+ 5·4	+ 3·4
Mar. ...	+ 2·2	+ 1·0	+ 0·1	+ 2·3	+ 6·1	+ 9·8	+ 5·9	+ 2·2	− 2·3	−11·5	−18·5	−**23·1**	−19·5	−12·4	− 7·0	− 1·1	+ 3·9	+ 5·1	+ 7·1	+ 9·3	+11·2	+**11·4**	+10·9	+ 7·0
April ...	+ 8·1	+ 7·7	+ 3·1	+ 3·5	+ 7·3	+ 5·3	− 0·9	− 2·7	−11·7	−20·9	−**30·9**	−30·0	−24·8	−19·4	− 4·9	+ 2·4	+10·1	+15·9	+15·9	+**18·0**	+12·6	+12·3	+12·2	+11·8
May ...	+ 2·5	+ 2·4	+ 4·3	+ 5·6	+ 5·2	+ 3·4	− 1·4	− 7·4	−17·4	−23·8	−25·9	−**26·7**	−22·1	−11·5	− 3·1	+ 2·2	+10·6	+20·4	+**22·5**	+19·8	+12·6	+ 8·8	+10·5	+ 8·4
June ...	+ 4·5	+ 4·6	+ 5·1	+ 5·3	+ 5·3	+ 0·9	− 4·9	−11·7	−20·6	−29·7	−**30·8**	−28·1	−20·3	− 9·4	− 0·4	+10·2	+16·5	+**22·4**	+21·9	+19·0	+15·1	+ 8·9	+ 8·3	+ 7·6
July ...	+ 5·4	+ 0·3	+ 0·6	+ 4·9	+ 3·5	+ 0·4	− 6·9	−13·8	−19·8	−26·7	−**27·1**	−23·5	−16·5	−10·2	− 0·9	+ 8·5	+13·9	+20·4	+**21·7**	+19·8	+16·6	+12·1	+10·6	+ 6·7
Aug. ...	+ 4·0	+ 4·2	+ 3·2	+ 3·9	+ 4·6	+ 4·4	− 0·7	−11·4	−20·4	−**28·3**	−27·5	−23·2	−16·3	− 5·8	+ 0·7	+ 8·7	+ 9·6	+14·9	+14·9	+**16·1**	+12·8	+11·6	+11·6	+ 8·6
Sept. ...	+ 8·4	+ 7·0	+ 8·5	+ 9·2	+ 6·6	+ 3·7	− 0·8	− 9·4	−17·5	−28·0	−**28·9**	−24·9	−17·6	− 8·4	+ 1·4	+ 4·4	+10·8	+**12·5**	+12·4	+12·1	+ 9·5	+ 9·0	+10·9	+ 9·1
Oct. ...	+ 4·4	+ 4·2	+ 8·7	+ 8·3	+ 8·9	+ 9·9	+ 6·7	+ 1·4	− 6·5	−16·6	−23·1	−**24·8**	−19·2	−11·0	− 7·0	− 2·8	+ 1·1	+ 4·5	+ 3·7	+ 7·5	+**13·7**	+ 9·7	+ 9·2	+ 8·8
Nov. ...	+ 1·3	+ 1·0	+ 3·0	+ 2·9	+ 6·0	+ **6·5**	+ 5·8	+ 2·3	− 3·3	− 9·7	−13·9	−**14·3**	−10·7	− 6·5	− 2·4	− 0·4	+ 0·5	+ 4·9	+ 3·9	+ 3·7	+ 4·7	+ 5·6	+ 6·0	+ 3·1
Dec. ...	− 0·6	+ 0·4	+ 0·2	+ 2·4	+ 5·7	+ **6·9**	+ 6·0	+ 4·5	+ 1·4	− 3·0	− 6·5	− **7·1**	− 5·7	− 4·7	− 4·6	− 2·9	− 0·6	+ 0·5	+ 1·3	+ 2·1	+ 1·2	+ 1·9	+ 0·8	+ 0·2
Year ...	+ 3·6	+ 2·8	+ 3·2	+ 4·4	+ 5·6	+ 5·2	+ 1·3	− 3·3	− 9·7	−17·3	−**20·5**	−20·1	−15·4	− 8·9	− 2·6	+ 1·9	+ 6·0	+10·2	+10·5	+**10·9**	+ 9·3	+ 8·0	+ 8·3	+ 6·4
Winter ...	+ 0·9	+ 0·4	+ 1·2	+ 2·4	+ 5·1	+ **6·1**	+ 4·8	+ 3·3	+ 0·1	− 5·4	− 8·4	− **9·2**	− 7·1	− 4·6	− 2·7	− 2·3	− 1·1	+ 1·6	+ 1·6	+ 2·3	+ 2·0	+ 3·1	+ 3·9	+ 2·1
Equinox ...	+ 5·8	+ 5·0	+ 5·1	+ 5·8	+ 7·2	+ 7·2	+ 2·7	− 2·1	− 9·5	−19·3	−25·3	−**25·7**	−20·3	−12·8	− 4·4	+ 0·7	+ 6·5	+ 9·5	+ 9·8	+**11·7**	+**11·7**	+10·6	+10·8	+ 9·2
Summer ...	+ 4·1	+ 2·9	+ 3·3	+ 4·9	+ 4·7	+ 2·3	− 3·5	−11·1	−19·5	−27·1	−**27·9**	−25·4	−18·8	− 9·2	− 0·9	+ 7·4	+12·6	+19·5	+**20·3**	+18·7	+14·3	+10·3	+10·3	+ 7·8

WEST COMPONENT (*all days except Jan. 8, 9, Dec. 21, 22*).

246. Eskdalemuir. **1922.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 9·8	−**11·6**	− 7·1	− 5·0	− 0·8	+ 2·9	+ 3·2	+ 1·5	+ 1·4	+ 2·6	+ 5·9	+10·3	+**13·1**	+12·4	+ 9·3	+ 6·7	+ 1·2	+ 2·9	− 0·3	− 5·4	− 5·4	−10·2	− 9·6	− 8·1
Feb. ...	− 4·5	− 4·9	− 5·7	− 7·3	− 5·8	+ 0·5	+ 4·7	+ 3·3	+ 4·9	+ 8·6	+12·2	+**14·8**	+14·6	+12·9	+ 8·8	+ 3·9	− 0·6	+ 1·8	− 0·4	−12·9	−**14·4**	−14·2	−11·8	− 8·5
Mar. ...	− 6·0	− 7·5	− 5·1	− 2·6	− 2·6	− 3·6	− 1·9	− 4·7	−10·8	− 7·3	+ 1·4	+15·0	+24·7	+**27·7**	+24·6	+14·0	+ 4·1	+ 0·5	− 2·5	− 8·1	−**15·5**	−12·0	−13·3	− 8·7
April ...	−10·3	− 9·0	− 8·7	− 4·7	− 4·2	− 6·2	− 8·5	−11·8	−**15·4**	−10·1	− 1·6	+11·8	+24·8	+**26·5**	+25·3	+19·9	+13·7	+ 9·1	+ 0·4	−10·5	− 7·3	− 8·5	− 6·5	− 8·3
May ...	− 6·9	− 5·4	− 8·5	− 9·3	−11·9	−16·7	−16·7	−**19·9**	−17·9	−10·1	+ 2·0	+15·7	+23·3	+**26·3**	+24·7	+21·0	+16·7	+14·0	+ 6·7	+ 3·0	− 4·1	− 6·5	− 9·5	−10·2
June ...	− 5·0	− 9·5	− 9·6	−12·2	−17·0	−22·7	−**23·5**	−**23·5**	−21·0	−12·9	− 1·3	+11·8	+21·2	+**26·5**	+25·7	+24·7	+20·9	+15·5	+14·6	+ 8·3	+ 0·5	− 2·6	− 3·9	− 4·9
July ...	− 7·3	− 9·7	− 8·3	−12·8	−18·7	−**22·5**	−21·5	−20·8	−19·0	−11·8	− 1·8	+10·9	+22·6	+**28·3**	+25·1	+23·9	+18·4	+12·9	+ 9·7	+ 7·7	+ 3·4	− 1·6	− 2·1	− 4·9
Aug. ...	− 5·9	− 9·4	− 5·8	−10·3	−13·1	−17·9	−**18·8**	−18·3	−14·2	− 5·2	+ 5·3	+18·1	+25·9	+**27·5**	+24·1	+17·7	+10·5	+ 6·2	+ 3·5	− 1·2	− 5·8	− 4·5	− 3·4	− 4·9
Sept. ...	− 4·6	− 8·7	− 7·9	− 8·5	− 6·6	− 4·8	− 7·4	−11·1	−10·6	− 3·3	+ 7·9	+20·3	+**27·1**	+25·4	+20·1	+12·7	+ 5·1	+ 1·6	− 1·6	− 6·0	− 8·5	−**11·5**	− 9·3	− 9·6
Oct. ...	− 7·0	− 4·2	− 4·2	− 4·3	+ 0·8	+ 2·7	− 0·3	− 4·7	− 7·8	− 6·0	+ 4·0	+14·4	+19·3	+**23·5**	+16·9	+13·4	+ 1·1	− 4·1	− 5·2	− 7·8	−**12·3**	−10·5	− 8·2	− 9·4
Nov. ...	− 4·2	− 2·7	− 1·5	− 1·3	− 0·7	− 0·6	− 0·1	− 2·0	− 5·0	− 2·5	+ 4·1	+10·9	+**13·7**	+11·5	+ 7·1	+ 6·2	+ 3·0	− 1·8	− 2·4	− 5·6	− **8·5**	− 7·4	− 6·0	− 4·1
Dec. ...	− 2·8	− 1·6	− 1·4	− 1·7	− 0·9	+ 0·1	+ 1·0	+ 2·0	+ 1·5	+ 2·9	+ 5·2	+ 8·2	+**11·4**	+ 9·1	+ 6·7	+ 3·9	+ 2·7	+ 1·4	− 4·1	− 7·6	− 9·0	−**10·3**	− 8·9	− 7·6
Year ...	− 6·2	− 7·0	− 6·2	− 6·7	− 6·8	− 7·4	− 7·5	− 9·2	− **9·5**	− 4·6	+ 3·6	+13·5	+20·1	+**21·5**	+18·2	+14·0	+ 8·1	+ 5·0	+ 1·5	− 3·9	− 7·3	− 8·3	− 7·7	− 7·4
Winter ...	− 5·3	− 5·2	− 3·9	− 3·8	− 2·1	+ 0·7	+ 2·2	+ 1·2	+ 0·7	+ 2·9	+ 6·8	+11·1	+**13·2**	+11·5	+ 8·0	+ 5·1	+ 1·6	+ 1·1	− 1·8	− 7·9	− 9·3	−**10·6**	− 9·1	− 7·1
Equinox ...	− 7·0	− 7·3	− 6·5	− 5·0	− 3·1	− 3·0	− 4·5	− 8·1	−**11·2**	− 6·7	+ 2·9	+15·4	+24·0	+**25·8**	+21·7	+15·0	+ 6·0	+ 1·8	− 2·2	− 8·1	−10·9	−10·6	− 9·3	− 9·0
Summer ...	− 6·3	− 8·5	− 8·1	−11·1	−15·2	−20·0	−20·1	−**20·6**	−18·0	−10·0	+ 1·1	+14·1	+23·2	+**27·2**	+24·9	+21·9	+16·6	+12·1	+ 8·7	+ 4·4	− 1·5	− 3·8	− 4·7	− 6·2

VERTICAL COMPONENT (*all days except Jan. 8, 9, Dec. 21, 22*).

247. Eskdalemuir. **1922.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 4·7	− 6·1	− **6·6**	− 6·0	− 5·8	− 5·9	− 5·7	− 6·0	− 5·9	− 4·6	− 3·7	− 3·2	− 1·3	+ 2·5	+ 6·2	+ 9·0	+**12·2**	+ 8·9	+ 8·1	+ 6·8	+ 5·9	+ 5·4	+ 2·3	− 2·0
Feb. ...	− 3·7	− 5·5	− 6·2	− 6·6	− 6·9	− 8·4	− **8·5**	− 6·9	− 5·8	− 4·9	− 4·1	− 2·4	+ 0·3	+ 2·8	+ 6·3	+ 8·4	+**10·6**	+ 8·6	+ 9·1	+ 9·3	+ 8·0	+ 5·7	+ 1·6	− 0·8
Mar. ...	− **9·2**	− 8·6	− 6·5	− 6·1	− 7·2	− 8·9	− 7·8	− 6·0	− 6·0	− 4·9	− 6·3	− 7·1	− 5·3	+ 1·0	+ 9·3	+17·3	+**21·3**	+19·9	+15·7	+12·5	+ 8·1	− 0·1	− 6·7	− 8·4
April ...	−**12·7**	−11·9	− 7·9	− 8·0	−10·5	−10·0	− 7·5	− 4·9	− 3·5	− 3·3	− 5·0	− 7·5	− 6·2	+ 1·1	+ 4·9	+11·0	+15·9	+18·6	+**19·2**	+18·8	+12·6	+ 6·9	+ 0·1	− 7·8
May ...	− 8·5	−11·5	−**11·8**	− 5·8	− 4·7	− 2·7	− 1·2	− 1·3	− 3·6	− 6·6	− 8·9	− 9·8	− 6·0	− 0·3	+ 6·0	+10·9	+14·8	+16·9	+**18·4**	+14·9	+11·1	+ 2·0	− 4·0	− 8·2
June ...	−10·5	−**10·6**	− 6·1	− 3·5	− 2·5	− 2·2	− 1·9	− 1·5	− 3·8	− 6·5	− 8·8	− 9·8	− 6·2	− 2·0	+ 3·2	+ 8·0	+12·6	+**14·9**	+14·8	+14·3	+ 9·6	+ 4·2	− 0·7	− 4·8
July ...	−11·7	−**11·9**	−11·2	− 6·3	− 2·3	− 1·3	− 0·9	− 1·1	− 2·0	− 4·2	− 6·0	− 7·8	− 5·5	− 1·1	+ 4·7	+ 9·3	+14·5	+**15·6**	+15·4	+12·2	+ 9·6	+ 3·2	− 3·2	− 8·3
Aug. ...	− 9·6	− 8·9	− 7·3	− 6·8	− 5·7	− 4·0	− 2·9	− 2·5	− 4·9	− 7·4	− 9·1	− **9·7**	− 6·8	+ 0·4	+ 8·8	+13·8	+**17·3**	+16·9	+15·2	+12·6	+ 8·2	+ 3·3	− 2·8	− 7·9
Sept. ...	−**11·6**	−**11·6**	− 7·7	− 6·2	− 6·3	− 4·9	− 2·8	− 1·3	− 1·7	− 2·3	− 4·0	− 5·1	− 2·9	+ 3·6	+ 9·2	+13·0	+**16·8**	+14·4	+12·8	+ 9·6	+ 2·9	− 1·0	− 4·8	− 8·1
Oct. ...	− 7·8	− 7·7	− 8·1	− 7·7	− 8·0	− **8·4**	− 6·3	− 3·3	− 2·0	− 2·2	− 4·1	− 2·6	− 0·3	+ 2·8	+10·8	+15·3	+**17·2**	+14·6	+10·7	+ 7·8	+ 3·4	− 0·9	− 5·6	− 7·5
Nov. ...	− **6·6**	− 6·0	− 6·1	− 4·4	− 3·9	− 3·8	− 3·3	− 2·3	− 1·4	− 2·1	− 2·6	− 1·7	+ 0·8	+ 4·2	+ **7·1**	+ 6·8	+ 6·3	+ 6·6	+ 4·8	+ 4·3	+ 4·5	+ 2·4	− 0·1	− 3·4
Dec. ...	− 1·3	− 2·1	− 2·5	− 2·6	− 2·7	− 3·1	− 3·6	− 3·9	− **4·1**	− 3·8	− 2·4	− 1·7	− 0·7	+ 1·7	+ 3·9	+ **5·2**	+ 4·7	+ 4·3	+ 4·7	+ 4·4	+ 3·4	+ 2·1	+ 0·5	− 0·8
Year ...	− 8·1	− **8·5**	− 7·3	− 5·8	− 5·5	− 5·3	− 4·4	− 3·4	− 3·7	− 4·4	− 5·4	− 5·7	− 3·3	+ 1·2	+ 6·7	+10·7	+**13·7**	+13·3	+12·4	+10·6	+ 7·3	+ 2·8	− 1·9	− 5·7
Winter ...	− 4·1	− 4·9	− **5·3**	− 4·9	− 4·8	− **5·3**	− **5·3**	− 4·8	− 4·3	− 3·9	− 3·2	− 2·2	− 0·2	+ 2·8	+ 5·9	+ 7·3	+ **8·5**	+ 7·1	+ 6·7	+ 6·2	+ 5·5	+ 3·9	+ 1·1	− 1·8
Equinox ...	−**10·3**	−10·0	− 7·6	− 7·0	− 8·0	− 8·0	− 6·1	− 3·9	− 3·3	− 3·2	− 4·9	− 5·6	− 3·7	+ 1·6	+ 8·5	+14·1	+**17·8**	+16·9	+14·6	+12·2	+ 6·7	+ 1·2	− 4·3	− 8·0
Summer ...	−10·1	−**10·7**	− 9·1	− 5·6	− 3·8	− 2·6	− 1·8	− 1·6	− 3·6	− 6·2	− 8·2	− 9·3	− 6·1	− 0·8	+ 5·7	+10·5	+14·8	+**16·1**	+16·0	+13·5	+ 9·6	+ 3·2	− 2·7	− 7·3

DIURNAL INEQUALITIES OF THE MAGNETIC COMPONENTS, DECLINATION, INCLINATION, AND HORIZONTAL FORCE.

Departures from mean of the day adjusted for non-cyclic change.

DECLINATION (measured positive towards the West) (*all days except Jan. 8, 9, Dec. 21, 22*).

248. Eskdalemuir. **1922.**

Month and Season.	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan. ...	−2·05	**−2·28**	−1·35	−1·09	−0·38	+0·24	+0·26	−0·01	+0·21	+0·76	+1·47	+2·41	**+2·88**	+2·59	+1·94	+1·52	+0·35	+0·56	−0·04	−1·09	−1·02	−2·11	−2·09	−1·70
Feb. ...	−0·94	−1·00	−1·28	−1·57	−1·42	−0·22	+0·86	+0·57	+0·90	+1·96	+2·87	**+3·46**	+3·30	+2·83	+1·83	+0·92	+0·01	+0·31	−0·16	−2·71	**−3·01**	−3·00	−2·65	−1·88
Mar. ...	−1·31	−1·55	−1·01	−0·65	−0·87	−1·28	−0·71	−1·06	−2·00	−0·78	+1·36	+4·31	+6·02	**+6·21**	+5·27	+2·84	+0·59	−0·21	−0·91	−2·15	**−3·71**	−3·03	−3·26	−2·12
April ...	−2·51	−2·23	−1·91	−1·13	−1·25	−1·53	−1·63	−2·18	−2·36	−0·77	+1·50	+4·09	+6·35	**+6·37**	+5·29	+3·78	+2·13	+0·87	−0·85	**−3·14**	−2·18	−2·40	−1·99	−2·34
May ...	−1·52	−1·20	−1·92	−2·17	−2·66	**−3·51**	−3·21	−3·49	−2·52	−0·60	+1·92	+4·65	**+5·90**	+5·88	+5·06	+4·01	+2·69	+1·58	+0·01	−0·56	−1·55	−1·81	−2·48	−2·51
June ...	−1·25	−2·14	−2·20	−2·71	−3·67	**−4·53**	−4·36	−3·96	−2·95	−0·82	+1·54	+3·97	+5·36	**+5·79**	+5·10	+4·29	+3·16	+1·74	+1·61	+0·53	−0·79	−1·02	−1·25	−1·41
July ...	−1·77	−2·09	−1·67	−2·81	−3·90	**−4·47**	−3·83	−3·31	−2·59	−0·77	+1·22	+3·52	+5·42	**+6·18**	+5·02	+4·23	+2·82	+1·37	+0·66	+0·35	−0·30	−1·02	−1·02	−1·37
Aug. ...	−1·39	−2·10	−1·33	−2·26	−2·86	**−3·80**	−3·67	−2·95	−1·61	+0·62	+2·65	+4·93	**+6·06**	+5·77	+4·71	+3·00	+1·51	+0·35	−0·18	−1·18	−1·89	−1·57	−1·35	−1·46
Sept. ...	−1·40	−2·12	−2·06	−2·22	−1·68	−1·17	−1·41	−1·65	−1·09	+0·98	+3·24	+5·46	**+6·38**	+5·50	+3·89	+2·26	+0·37	−0·41	−1·04	−1·88	−2·24	**−2·79**	−2·47	−2·42
Oct. ...	−1·64	−1·07	−1·34	−1·33	−0·36	−0·04	−0·45	−1·02	−1·17	−0·21	+2·12	+4·29	+4·94	**+5·29**	+3·75	+2·82	+0·15	−1·07	−1·25	−1·99	**−3·23**	−2·65	−2·15	−2·36
Nov. ...	−0·91	−0·59	−0·47	−0·42	−0·48	−0·49	−0·35	−0·53	−0·79	+0·08	+1·61	+2·97	**+3·32**	+2·65	+1·55	+1·24	+0·56	−0·64	−0·70	−1·32	**−1·96**	−1·79	−1·54	−0·98
Dec. ...	−0·53	−0·34	−0·28	−0·48	−0·52	−0·39	−0·16	+0·14	+0·23	+0·76	+1·41	+2·04	**+2·59**	+2·07	+1·60	+0·94	+0·56	+0·24	−0·90	−1·63	−1·85	**−2·16**	−1·80	−1·52
Year ...	−1·43	−1·56	−1·40	−1·57	−1·67	−1·77	−1·55	−1·62	−1·31	+0·10	+1·91	+3·84	**+4·88**	+4·76	+3·75	+2·65	+1·24	+0·39	−0·31	−1·40	−1·98	**−2·11**	−2·00	−1·84
Winter ...	−1·11	−1·05	−0·85	−0·89	−0·70	−0·21	+0·15	+0·04	+0·14	+0·89	+1·84	+2·72	**+3·02**	+2·53	+1·73	+1·15	+0·37	+0·12	−0·45	−1·69	−1·96	**−2·27**	−2·02	−1·52
Equinox ...	−1·71	−1·74	−1·58	−1·33	−1·04	−1·01	−1·05	−1·48	−1·65	−0·19	+2·05	+4·54	**+5·92**	+5·84	+4·55	+2·93	+0·81	−0·21	−1·01	−2·29	**−2·84**	−2·72	−2·47	−2·31
Summer ...	−1·48	−1·88	−1·78	−2·49	−3·27	**−4·08**	−3·77	−3·43	−2·42	−0·39	+1·83	+4·27	+5·69	**+5·91**	+4·97	+3·88	+2·55	+1·26	+0·53	−0·21	−1·13	−1·35	−1·53	−1·69

INCLINATION (*all days except Jan. 8, 9, Dec. 21, 22*).

249. Eskdalemuir. **1922.**

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan. ...	−0·05	+0·08	+0·04	−0·17	−0·37	−0·55	**−0·60**	−0·50	−0·25	+0·11	+0·13	+0·12	+0·04	+0·03	+0·10	+0·32	**+0·41**	+0·16	+0·22	+0·25	+0·31	+0·23	+0·03	−0·01
Feb. ...	−0·07	−0·08	−0·21	−0·17	−0·37	**0·57**	−0·37	−0·32	−0·30	0·00	+0·18	+0·25	+0·19	+0·13	+0·10	+0·30	**+0·41**	+0·13	+0·15	+0·29	+0·29	+0·20	−0·08	−0·08
Mar. ...	−0·26	−0·14	−0·07	−0·25	−0·52	**−0·78**	−0·54	−0·20	+0·20	+0·76	+1·01	**+1·03**	+0·66	+0·30	+0·21	+0·23	+0·20	+0·16	−0·02	−0·13	−0·23	−0·51	−0·62	−0·49
April ...	−0·64	−0·62	−0·23	−0·33	−0·65	−0·47	+0·03	+0·28	+0·96	+1·46	**+1·89**	+1·52	+0·97	+0·72	−0·04	−0·26	−0·51	−0·74	−0·55	−0·49	−0·36	−0·46	−0·66	**−0·80**
May ...	−0·24	−0·34	−0·41	−0·32	−0·23	+0·03	+0·37	+0·82	+1·37	**+1·56**	+1·41	+1·17	+0·83	+0·23	−0·12	−0·27	−0·63	**−1·16**	−1·12	−0·97	−0·46	−0·39	−0·60	−0·55
June ...	−0·46	−0·38	−0·30	−0·20	−0·08	+0·32	+0·71	+1·16	+1·63	**+1·99**	+1·79	+1·34	+0·75	+0·05	−0·38	−0·93	−1·15	**−1·37**	−1·32	−1·03	−0·75	−0·42	−0·48	−0·52
July ...	−0·50	−0·13	−0·16	−0·23	+0·08	+0·37	+0·83	+1·26	+1·58	**+1·83**	+1·63	+1·11	+0·50	+0·09	−0·30	−0·77	−0·88	−1·17	**−1·20**	−1·12	−0·89	−0·67	−0·72	−0·54
Aug. ...	−0·38	−0·31	−0·28	−0·23	−0·19	−0·04	+0·33	+1·02	+1·46	**+1·74**	+1·45	+0·91	+0·39	−0·14	−0·29	−0·55	−0·38	−0·66	−0·65	−0·70	−0·51	−0·58	**−0·75**	−0·66
Sept. ...	**−0·74**	−0·58	−0·59	−0·59	−0·46	−0·27	+0·12	+0·78	+1·28	**+1·81**	+1·61	+1·09	+0·55	+0·15	−0·25	−0·20	−0·37	−0·47	−0·45	−0·43	−0·38	−0·39	−0·65	−0·61
Oct. ...	−0·35	−0·38	−0·68	−0·65	−0·79	**−0·90**	−0·58	−0·08	+0·52	+1·13	**+1·31**	+1·26	+0·86	+0·33	+0·40	+0·31	+0·33	+0·15	+0·12	−0·14	−0·56	−0·45	−0·58	−0·58
Nov. ...	−0·17	−0·16	−0·32	−0·27	−0·47	**−0·50**	−0·46	−0·17	+0·27	+0·62	**+0·76**	+0·67	+0·45	+0·31	+0·20	+0·08	+0·07	−0·12	−0·09	−0·02	−0·03	−0·16	−0·28	−0·21
Dec. ...	+0·06	−0·04	−0·05	−0·19	−0·42	**−0·52**	−0·49	−0·43	−0·22	+0·05	+0·26	+0·26	+0·13	+0·17	**+0·27**	+0·25	+0·11	+0·05	+0·11	+0·12	+0·18	+0·12	+0·13	+0·11
Year ...	−0·32	−0·26	−0·27	−0·30	−0·37	−0·32	−0·05	+0·30	+0·71	+1·09	**+1·12**	+0·89	+0·53	+0·20	−0·01	−0·12	−0·20	−0·42	−0·40	−0·36	−0·28	−0·29	**−0·44**	−0·41
Winter ...	−0·06	−0·05	−0·13	−0·20	−0·41	**−0·53**	−0·48	−0·35	−0·13	+0·19	**+0·33**	**+0·33**	+0·20	+0·16	+0·17	+0·24	+0·25	+0·05	+0·10	+0·16	+0·19	+0·10	−0·05	−0·05
Equinox ...	−0·50	−0·43	−0·39	−0·45	−0·61	−0·61	−0·24	+0·19	+0·74	+1·29	**+1·45**	+1·23	+0·76	+0·37	+0·08	+0·02	−0·09	−0·23	−0·23	−0·30	−0·38	−0·45	**−0·63**	−0·62
Summer ...	−0·39	−0·29	−0·29	−0·25	−0·11	+0·17	+0·56	+1·07	+1·51	**+1·78**	+1·57	+1·13	+0·62	+0·06	−0·27	−0·63	−0·76	**−1·09**	−1·07	−0·95	−0·65	−0·51	−0·64	−0·57

HORIZONTAL FORCE (*all days except Jan. 8, 9, Dec. 21, 22*).

250. Eskdalemuir. **1922.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 1·0	**− 3·4**	− 3·0	+ 0·4	+ 3·4	+ 6·0	+ **6·8**	+ 5·3	+ 1·6	**− 3·4**	− 3·3	− 3·0	− 1·1	+ 1·4	+ 0·8	− 1·4	− 1·6	+ 1·0	− 0·2	− 1·2	− 2·4	− 1·4	+ 0·4	− 0·6
Feb. ...	− 0·3	− 0·9	+ 0·9	+ 0·1	+ 2·9	+ **5·4**	+ 2·4	+ 2·1	+ 2·3	− 1·8	− 4·2	**− 4·6**	− 2·8	− 0·9	+ 0·9	− 1·4	− 2·2	+ 1·3	+ 1·1	− 0·8	− 1·3	− 0·9	+ 1·9	+ 0·8
Mar. ...	+ 0·4	− 1·2	− 1·3	+ 1·5	+ 5·1	+ **8·4**	+ 5·1	+ 0·7	− 5·3	−13·1	−17·4	**−17·9**	−11·7	− 4·1	+ 0·3	+ 2·9	+ 5·0	+ 5·0	+ 6·1	+ 6·6	+ 6·4	+ 7·5	+ 6·7	+ 4·3
April ...	+ 4·8	+ 4·8	+ 0·5	+ 2·0	+ 5·8	+ 3·3	− 3·2	− 6·0	−15·6	−22·9	**−30·0**	−25·4	−16·8	−11·1	+ 2·4	+ 8·0	+13·5	**+17·9**	+15·3	+14·3	+10·0	+ 9·3	+ 9·9	+ 9·0
May ...	+ 0·4	+ 0·8	+ 1·7	+ 2·7	+ 1·6	− 1·5	− 6·0	−12·7	−21·8	**−25·7**	−24·3	−21·1	−14·6	− 3·5	+ 4·1	+ 8·1	+14·9	**+23·5**	**+23·5**	+19·9	+11·0	+ 6·5	+ 7·4	+ 5·1
June ...	+ 2·9	+ 1·7	+ 2·1	+ 1·7	+ 0·3	− 5·5	−11·4	−17·9	−25·7	**−32·1**	−29·9	−23·6	−13·4	− 1·5	+ 6·9	+16·8	+21·7	**+25·9**	+25·2	+20·6	+14·7	+ 7·8	+ 6·9	+ 5·9
July ...	+ 3·1	− 2·5	− 1·8	+ 1·1	− 2·0	− 6·0	−12·7	−19·1	−24·3	**−28·9**	−26·5	−19·5	− 9·4	− 1·8	+ 6·3	+15·0	+18·5	+23·2	**+23·6**	+21·2	+16·9	+11·1	+ 9·6	+ 5·0
Aug. ...	+ 2·2	+ 1·3	+ 1·4	+ 0·8	+ 0·7	− 0·9	− 6·0	−16·1	−23·6	**−28·6**	−24·9	−17·1	− 8·3	+ 2·2	+ 7·5	+13·3	+12·1	**+16·1**	+15·3	+15·1	+10·6	+ 9·8	+10·2	+ 6·9
Sept. ...	+ 6·7	+ 4·3	+ 5·9	+ 6·5	+ 4·4	+ 2·1	− 2·9	−12·1	−19·8	**−27·8**	−25·5	−18·1	− 9·2	− 0·9	+ 7·0	+ 7·8	+11·8	**+12·4**	+11·4	+ 9·9	+ 6·7	+ 5·4	+ 7·8	+ 6·0
Oct. ...	+ 2·3	+ 2·9	+ 7·1	+ 6·8	+ 8·8	**+10·3**	+ 6·4	0·0	− 8·5	−17·6	**−21·0**	−19·7	−13·0	− 3·9	− 2·0	+ 1·1	+ 1·4	+ 3·2	+ 2·1	+ 5·0	+ 9·6	+ 6·4	+ 6·5	+ 5·8
Nov. ...	+ 0·1	+ 0·2	+ 2·5	+ 2·4	+ 5·6	+ **6·0**	+ 5·6	+ 1·6	− 4·6	−10·1	**−12·2**	−10·6	− 6·4	− 3·0	− 0·3	+ 1·4	+ 1·3	+ 4·2	+ 3·1	+ 1·9	+ 2·1	+ 3·3	+ 4·1	+ 1·9
Dec. ...	− 1·3	− 0·1	− 0·2	+ 1·9	+ 5·2	+ **6·7**	+ 6·0	+ 4·9	+ 1·8	− 2·1	**− 4·8**	− 4·5	− 2·2	− 1·9	− 2·5	− 1·7	+ 0·2	+ 0·9	+ 0·1	− 0·1	− 1·4	− 1·1	− 1·7	− 1·9
Year ...	+ 1·7	+ 0·7	+ 1·3	+ 2·3	+ 3·5	+ 2·9	− 0·8	− 5·8	−12·0	−17·8	**−18·7**	−15·4	− 9·1	− 2·4	+ 2·6	+ 5·8	+ 8·1	**+11·2**	+10·5	+ 9·4	+ 6·9	+ 5·3	+ 5·8	+ 4·0
Winter ...	− 0·6	− 1·1	+ 0·1	+ 1·2	+ 4·3	+ **6·0**	+ 5·2	+ 3·5	+ 0·3	− 4·3	**− 6·1**	− 5·7	− 3·1	− 1·1	− 0·3	− 0·8	− 0·6	+ 1·9	+ 1·0	− 0·1	− 0·7	0·0	+ 1·2	+ 0·1
Equinox ...	+ 3·5	+ 2·7	+ 3·1	+ 4·2	+ 6·0	+ 6·0	+ 1·3	− 4·3	−12·3	−20·3	**−23·5**	−20·3	−12·7	− 5·0	+ 1·9	+ 4·9	+ 7·9	+ **9·6**	+ 8·7	+ 8·9	+ 8·2	+ 7·1	+ 7·7	+ 6·3
Summer ...	+ 2·1	+ 0·3	+ 0·9	+ 1·6	+ 0·1	− 3·5	− 9·0	−16·5	−23·9	**−28·8**	−26·4	−20·3	−11·4	− 1·1	+ 6·2	+13·3	+16·8	**+22·2**	+21·9	+19·2	+13·3	+ 8·8	+ 8·5	+ 5·7

INTERNATIONAL QUIET DAYS.—DIURNAL INEQUALITIES OF THE GEOGRAPHICAL COMPONENTS OF MAGNETIC FORCE.

Departures from mean of the day adjusted for non-cyclic change.

NORTH COMPONENT (*Quiet Days*).

251. Eskdalemuir. **1922.**

Month and Season.	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15	16.	17.	18.	19.	20.	21.	22.	23.	24.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	+ 0·4	− 0·3	− 1·0	− 0·3	+ 2·6	+ 4·7	+ **5·2**	+ 2·5	− 1·0	− 4·1	− 7·4	− **9·7**	− 4·4	− 0·9	+ 1·0	+ 2·3	+ 3·0	+ 3·5	+ 1·6	+ 1·3	+ 1·4	+ 0·5	0·0	− 0·9
Feb. ...	+ 2·7	+ 2·5	+ 1·7	+ 3·1	+ **5·9**	+ 5·1	+ 4·3	+ 5·3	+ 2·9	− 2·3	− 5·7	**−10·5**	− 9·7	− 5·5	− 3·3	− 4·7	− 4·3	− 2·1	− 0·3	+ 1·1	+ 3·7	+ 4·9	+ 3·5	+ 1·9
Mar. ...	+ 2·9	+ 1·5	+ 0·8	+ 2·4	+ 3·6	+ 9·6	**+11·1**	+ 9·1	+ 2·7	− 9·1	−18·4	**−20·2**	−16·6	−12·8	− 8·5	− 5·5	− 0·7	+ 2·3	+ 5·8	+ 6·2	+ 8·8	+ 8·0	+ 8·1	+ 8·9
April ...	+ 7·2	+ 6·3	+ 5·1	+ 5·3	+ 6·6	+ 8·3	+ **9·7**	+ 7·5	− 3·2	−15·1	−23·1	**−25·9**	−21·4	−14·1	− 7·1	− 1·5	+ 3·2	+ 7·5	+ 7·3	+ 6·5	+ 6·6	+ 7·7	+ 8·3	+ 8·3
May ...	+ 7·7	+ 5·7	+ 6·0	+ 6·3	+ 8·7	+ 7·2	+ 3·3	− 3·1	−12·2	−22·3	**−26·7**	−26·2	−20·3	−13·5	− 3·2	+ 3·1	+ 6·7	+12·4	**+14·3**	+12·1	+10·4	+ 7·7	+ 6·9	+ 9·0
June ...	+ 9·5	+ 7·4	+ 5·4	+ 6·2	+ 5·6	+ 3·2	− 3·1	−10·9	−20·9	−27·5	**−30·7**	−27·7	−19·5	− 5·4	+ 2·4	+ 8·4	+13·4	**+19·0**	+14·5	+11·5	+12·7	+10·3	+ 8·1	+ 8·1
July ...	+10·3	+ 6·2	+ 3·5	+ 3·8	+ 5·1	+ 2·4	− 2·1	−10·8	−20·5	**−27·2**	−26·5	−21·6	−13·3	− 3·2	+ 7·5	**+11·6**	+10·1	+ 9·8	+10·3	+11·4	+ 9·5	+ 8·8	+ 8·1	+ 6·6
Aug. ...	+ 1·8	+ 1·1	+ 2·7	+ 2·0	+ 0·8	− 1·5	− 4·7	− 7·8	−14·6	**−21·1**	−15·9	−11·8	− 9·4	− 3·9	− 1·3	+ 9·2	+ 7·6	+ 8·9	+11·3	**+12·0**	+11·0	+ 9·9	+ 7·9	+ 5·8
Sept. ...	+10·2	+ 6·8	+ 7·3	+ 7·9	+ 6·3	+ 5·8	+ 3·0	− 4·2	−14·9	−21·9	**−24·9**	−23·0	−14·6	− 8·8	− 1·5	+ 1·9	+ 6·3	+ 9·4	+ 8·8	+ 5·4	+ 6·3	+ 7·9	+ 8·3	**+12·0**
Oct. ...	+ 4·0	+ 4·6	+ 5·5	+ 5·5	+ 6·9	+ 6·9	+ 7·4	+ 3·2	− 4·8	−14·2	**−19·9**	−18·1	−12·7	− 8·9	− 4·6	− 1·2	+ 1·6	+ 5·0	+ 4·3	+ 5·5	+ **7·5**	+ 5·9	+ 5·6	+ 5·0
Nov. ...	+ 0·6	+ 2·8	+ 1·6	+ 2·4	+ 4·8	+ **6·6**	+ **6·6**	+ 4·0	− 1·6	− 8·2	**−13·0**	−12·5	− 8·5	− 5·7	− 2·3	+ 0·1	+ 2·1	+ 2·7	+ 3·1	+ 3·1	+ 3·1	+ 2·9	+ 3·1	+ 2·3
Dec. ...	− 1·1	− 0·9	− 1·0	− 1·0	+ 1·7	+ 2·1	+ 2·1	+ 0·3	− 1·0	− 2·9	− 4·4	− **5·7**	− 4·0	− 0·1	+ 0·9	+ 2·1	+ 3·8	+ **4·7**	+ **4·7**	+ 2·6	+ 0·6	− 0·2	− 1·3	− 1·8
Year ...	+ 4·7	+ 3·6	+ 3·1	+ 3·6	+ 4·9	+ 5·0	+ 3·6	− 0·4	− 7·4	−14·7	**−18·1**	−17·7	−12·9	− 6·9	− 1·7	+ 2·2	+ 4·4	+ 6·9	+ **7·1**	+ 6·6	+ 6·8	+ 6·2	+ 5·5	+ 5·4
Winter ...	+ 0·7	+ 1·0	+ 0·3	+ 1·1	+ 3·7	+ **4·6**	+ 4·5	+ 3·0	− 0·2	− 4·4	− 7·6	− **9·6**	− 6·6	− 3·0	− 0·9	− 0·1	+ 1·1	+ 2·2	+ 2·3	+ 2·0	+ 2·2	+ 2·0	+ 1·3	+ 0·3
Equinox ...	+ 6·1	+ 4·8	+ 4·7	+ 5·3	+ 5·8	+ 7·7	+ 7·8	+ 3·9	− 5·0	−15·1	−21·6	**−21·8**	−16·3	−11·2	− 5·4	− 1·6	+ 2·6	+ 6·1	+ 6·5	+ 5·9	+ 7·3	+ 7·4	+ 7·6	+ **8·6**
Summer ...	+ 7·3	+ 5·1	+ 4·4	+ 4·6	+ 5·0	+ 2·8	− 1·7	− 8·2	−17·1	−24·5	**−25·0**	−21·8	−15·6	− 6·5	+ 1·3	+ 8·1	+ 9·4	+12·5	+**12·6**	+11·7	+10·9	+ 9·2	+ 7·7	+ 7·4

WEST COMPONENTS (*Quiet Days*).

252. Eskdalemuir. **1922.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− **7·0**	− 6·1	− 2·6	− 1·3	− 0·2	+ 0·5	− 1·2	− 3·9	− 4·8	− 2·7	+ 0·4	+ 5·3	+11·0	+**11·7**	+ 6·2	+ 4·5	+ 4·0	+ 2·5	+ 2·2	+ 0·1	− 1·4	− 4·9	− 4·6	− 6·9
Feb. ...	+ 0·7	− 2·1	− 3·9	− 2·9	− **6·1**	− **6·1**	− 4·1	− 1·1	− 2·5	+ 0·9	+ 7·9	+11·3	+**12·5**	+10·1	+ 6·1	− 0·3	− 2·7	− 2·9	− 2·7	− 1·9	− 2·3	− 1·5	− 2·3	− 4·5
Mar. ...	− 1·7	− 3·5	− 4·4	− 2·0	− 2·1	− 4·9	− 5·1	− 9·8	**−15·0**	− 9·1	− 1·7	+11·0	+17·2	+**19·2**	+15·7	+ 6·3	− 1·2	− 0·4	+ 0·5	+ 0·9	− 2·5	− 4·0	− 2·0	− 1·5
April ...	− 1·4	− 2·8	− 5·6	− 6·3	− 7·3	− 9·1	−11·6	−17·8	**−21·2**	−15·3	− 5·5	+ 7·3	+19·8	+**23·6**	+19·0	+11·7	+ 7·3	+ 5·9	+ 4·0	+ 3·6	+ 1·6	+ 0·5	− 0·3	− 0·3
May ...	− 2·5	− 3·4	− 1·8	− 3·3	− 6·5	−15·8	−22·6	**−24·8**	−22·7	−14·1	− 2·6	+10·0	+20·3	+**23·1**	+21·3	+17·8	+12·0	+ 7·1	+ 6·9	+ 3·5	+ 2·2	0·0	− 3·1	− 0·9
June ...	− 0·5	− 4·9	− 9·7	−10·3	−15·9	−24·0	−28·0	**−29·4**	−25·0	−17·8	− 6·0	+11·8	+21·6	+**24·8**	+23·8	+21·0	+16·9	+16·1	+12·3	+ 8·1	+ 6·3	+ 6·5	+ 4·9	− 2·7
July ...	− 3·0	− 5·3	− 8·7	− 9·4	−13·1	−19·3	−20·6	**−23·7**	−19·6	−10·5	− 1·5	+10·4	+23·1	+**27·7**	+25·0	+19·1	+10·8	+ 5·5	+ 4·1	+ 2·2	+ 2·3	+ 1·9	+ 2·0	+ 0·5
Aug. ...	− 1·9	− 1·5	− 5·2	− 6·3	−11·2	−15·1	−16·1	**−17·4**	−16·9	− 8·0	+ 2·5	+16·6	+**21·3**	+19·7	+17·6	+13·9	+ 7·2	+ 4·1	− 0·5	+ 2·4	+ 1·7	+ 1·8	− 1·3	− 3·8
Sept. ...	− 1·7	− 1·8	− 5·6	− 6·9	− 9·1	− 8·8	−10·7	−14·5	**−15·4**	−10·0	+ 2·3	+14·0	+**21·2**	+20·7	+13·9	+ 7·8	+ 6·1	+ 4·7	+ 2·0	+ 0·4	− 1·1	− 3·7	− 2·2	− 1·5
Oct. ...	− 3·3	− 2·9	− 5·5	− 4·3	+ 0·3	− 2·9	− 5·5	−10·7	**−14·7**	−10·7	− 1·1	+10·1	+15·1	+**16·9**	+13·1	+ 8·1	+ 5·5	+ 4·3	+ 2·7	− 1·7	− 1·1	− 3·7	− 2·9	− 5·9
Nov. ...	− 3·1	+ 0·7	− 1·9	+ 0·7	− 0·8	− 1·2	− 3·6	− 6·2	**− 8·5**	− 4·5	+ 2·3	+ 9·1	+**12·6**	+10·6	+ 7·4	+ 3·6	+ 3·3	+ 1·7	− 1·1	− 1·9	− 6·6	− 5·8	− 4·0	− 3·0
Dec. ...	− 1·5	− 0·4	− 0·7	+ 0·3	0·0	− 0·9	− 1·5	− 2·0	− 1·3	+ 1·3	+ 4·0	+ 6·5	+ **9·3**	+ 6·4	+ 3·7	+ 1·5	+ 1·0	+ 0·5	− 0·7	− 3·2	− 5·7	− **6·7**	− 6·4	− 3·3
Year ...	− 2·3	− 2·8	− 4·6	− 4·3	− 6·0	− 9·0	−10·9	−13·5	**−13·9**	− 8·4	+ 0·1	+10·3	+17·1	+**17·9**	+14·4	+ 9·6	+ 5·9	+ 4·1	+ 2·5	+ 1·0	− 0·5	− 1·9	− 1·9	− 2·8
Winter ...	− 2·7	− 2·0	− 2·3	− 0·8	− 1·8	− 1·9	− 2·6	− 3·3	− 4·3	− 1·3	+ 3·7	+ 8·1	+**11·3**	+ 9·7	+ 5·9	+ 2·3	+ 1·4	+ 0·5	− 0·6	− 1·7	− 4·0	− **4·7**	− 4·3	− 4·4
Equinox ...	− 2·0	− 2·7	− 5·3	− 4·9	− 4·6	− 6·4	− 8·2	−13·2	**−16·5**	−11·3	− 1·5	+10·6	+18·3	+**20·1**	+15·4	+ 8·5	+ 4·4	+ 3·6	+ 2·3	+ 0·8	− 0·7	− 2·7	− 1·8	− 2·3
Summer ...	− 2·0	− 3·7	− 6·3	− 7·3	−11·7	−18·6	−21·8	**−23·8**	−21·0	−12·6	− 1·9	+12·2	+21·6	+**23·8**	+21·9	+18·0	+11·7	+ 8·2	+ 5·7	+ 4·1	+ 3·1	+ 1·6	+ 0·6	− 1·7

VERTICAL COMPONENT (*Quiet Days*).

253. Eskdalemuir. **1922.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	+ 0·5	− 0·2	− 0·4	0·0	− 0·5	− 0·5	− 0·1	− 0·6	− 1·6	− 2·2	− 2·1	− 3·1	− **3·3**	− 0·6	+ 1·6	+ 1·4	+ 0·5	+ 0·5	+ 0·9	+ 1·2	+ 2·0	+ **3·0**	+ 2·7	+ 1·1
Feb ...	− 0·4	− 0·4	+ 0·4	− 0·8	− 1·5	− 1·3	− 1·5	− 2·1	− 1·7	− 4·1	− **5·1**	− 3·9	− 1·3	− 0·3	+ 2·9	+ 3·7	+ **4·3**	+ 3·4	+ 2·4	+ 2·0	+ 1·2	+ 1·2	+ 1·0	+ 1·8
Mar ...	− 0·2	+ 0·2	+ 0·6	+ 0·1	− 0·9	− 2·7	− 1·9	− 0·1	− 0·7	− 3·0	− 7·4	− **9·8**	− 8·8	− 5·0	+ 0·4	+ 5·1	+ **7·9**	+ 6·7	+ 4·9	+ 4·5	+ 3·9	+ 3·8	+ 2·0	+ 0·4
April ...	+ 1·2	− 0·2	+ 0·4	+ 1·3	+ 1·5	+ 0·7	+ 1·3	+ 1·8	+ 0·6	− 1·6	− 7·0	−10·9	−**11·7**	− 7·7	− 1·5	+ 1·6	+ 2·8	+ 4·0	+ 4·4	+ 5·1	+ **5·3**	+ 3·7	+ 2·9	+ 1·8
May ...	− 1·6	− 1·1	− 0·4	+ 1·3	+ 2·3	+ 2·8	+ 2·7	+ 1·6	− 0·9	− 5·7	− 9·2	−**12·3**	−11·2	− 6·1	− 1·4	+ 3·5	+ 7·1	+ **7·8**	+ 7·5	+ 6·0	+ 3·9	+ 3·7	+ 1·4	− 1·7
June ...	− 1·7	− 2·7	+ 0·1	+ 2·6	+ 3·2	+ 1·6	+ 0·9	+ 0·9	− 1·3	− 4·8	− 8·6	−**10·6**	− 8·7	− 6·3	− 3·7	+ 2·4	+ 4·2	+ 5·4	+ 7·1	+ **7·5**	+ 5·5	+ 3·0	+ 2·2	+ 1·8
July ...	− 3·0	− 2·8	− 1·4	+ 1·2	+ 2·4	+ 1·7	+ 1·9	+ 1·9	+ 2·1	− 3·5	− 7·9	−**10·5**	− 8·2	− 7·0	− 2·2	+ 1·8	+ 5·2	+ **6·3**	+ 5·7	+ 5·3	+ 4·1	+ 3·3	+ 2·5	+ 1·1
Aug. ...	− 1·7	− 3·4	− 1·5	− 0·7	+ 1·0	+ 1·7	+ 1·4	+ 1·5	− 0·7	− 5·0	− 7·7	− **9·5**	− 8·0	− 3·5	+ 1·6	+ 3·9	+ 6·3	+ 5·4	+ **6·5**	+ 4·5	+ 5·4	+ 2·1	+ 0·2	+ 0·3
Sept. ...	− 2·3	− 0·7	+ 0·1	+ 0·7	+ 1·1	+ 1·5	+ 2·5	+ 1·2	− 0·8	− 3·2	− 5·4	− **8·4**	− 8·1	− 4·1	− 0·3	+ 2·7	+ 3·7	+ 4·3	+ 3·9	+ **4·8**	+ 4·2	+ 3·0	+ 1·4	− 1·8
Oct ...	+ 2·5	+ 0·1	− 0·3	− 0·5	− 2·0	− 3·0	− 2·1	+ 0·3	+ 1·5	− 0·7	− 4·0	− **7·8**	− 5·9	− 2·9	+ 1·1	+ 1·7	+ 1·6	+ 2·0	+ 2·5	+ **3·5**	+ 2·9	+ **3·5**	+ 3·2	+ 2·8
Nov. ...	+ 0·4	− 1·4	− 1·7	− 1·9	− 1·5	− 1·2	− 1·0	− 0·7	− 0·7	− 2·9	− 3·6	− **4·4**	− 2·3	+ 0·3	+ 2·9	+ **3·2**	+ 3·0	+ 2·5	+ 2·5	+ 1·3	+ 2·0	+ 2·2	+ 1·5	+ 0·9
Dec ...	0·0	− 0·5	− 0·2	− 0·1	− 0·6	− 0·9	− 1·4	− 2·1	− **3·0**	− 2·9	− 2·0	− 0·9	− 0·6	+ 0·9	+ 1·4	+ 1·7	+ 1·8	+ 1·5	+ 1·4	+ 1·5	+ 2·0	+ **2·1**	+ 1·2	+ 0·5
Year ...	− 0·5	− 1·1	− 0·4	+ 0·3	+ 0·4	0·0	+ 0·2	+ 0·3	− 0·6	− 3·3	− 5·8	− **7·7**	− 6·5	− 3·5	+ 0·2	+ 2·7	+ 4·0	+ **4·1**	+ **4·1**	+ 3·9	+ 3·6	+ 2·9	+ 1·8	+ 0·7
Winter ...	− 0·1	− 0·6	− 0·5	− 0·7	− 1·1	− 1·0	− 1·0	− 1·4	− 1·8	− 3·0	− **3·2**	− 3·1	− 1·9	+ 0·1	+ 2·2	+ **2·5**	+ 2·4	+ 1·9	+ 1·8	+ 1·5	+ 1·9	+ 2·1	+ 1·6	+ 1·1
Equinox ...	+ 0·3	− 0·1	+ 0·2	+ 0·4	− 0·1	− 0·9	0·0	+ 0·8	+ 0·2	− 2·1	− 5·9	− **9·2**	− 8·7	− 4·9	− 0·1	+ 2·8	+ 4·0	+ 4·3	+ 3·9	+ **4·5**	+ 4·1	+ 3·5	+ 2·4	+ 0·8
Summer ...	− 2·0	− 2·5	− 0·8	+ 1·1	+ 2·2	+ 2·0	+ 1·7	+ 1·5	− 0·2	− 4·7	− 8·3	−**10·7**	− 9·0	− 5·7	− 1·5	+ 2·9	+ 5·7	+ 6·2	+ **6·7**	+ 5·8	+ 4·7	+ 3·0	+ 1·6	+ 0·3

INTERNATIONAL QUIET DAYS.—DIURNAL INEQUALITIES.

Departures from mean of the day adjusted for non-cyclic change.

DECLINATION (measured positive towards the West) (*Quiet Days*).

254. Eskdalemuir. **1922.**

Month and Season.	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan. ...	**−1·41**	−1·19	−0·46	−0·25	−0·20	−0·18	−0·55	−0·92	−0·90	−0·30	+0·51	+1·61	**+2·43**	+2·36	+1·16	+0·75	+0·61	+0·28	+0·34	−0·06	−0·36	−1·00	−0·91	−1·32
Feb. ...	−0·02	−0·56	−0·87	−0·75	**−1·55**	−1·50	−1·06	−0·52	−0·66	+0·32	+1·90	+2·85	**+3·04**	+2·32	+1·40	+0·22	−0·28	−0·45	−0·51	−0·44	−0·67	−0·58	−0·65	−1·00
Mar. ...	−0·51	−0·77	−0·92	−0·53	−0·63	−1·53	−1·64	−2·47	**−3·12**	−1·27	+0·75	+3·35	+4·37	**+4·55**	+3·60	+1·57	−0·20	−0·21	−0·25	−0·19	−1·00	−1·26	−0·86	−0·82
April ...	−0·70	−0·92	−1·40	−1·56	−1·83	−2·27	−2·87	−3·96	**−4·00**	−2·14	+0·27	+2·96	+5·16	**+5·50**	+4·18	+2·39	+1·26	+0·74	+0·36	+0·33	−0·06	−0·35	−0·54	−0·54
May ...	−0·96	−1·00	−0·71	−1·02	−1·80	−3·54	−4·66	**−4·73**	−3·77	−1·49	+1·05	+3·50	+5·21	**+5·36**	+4·39	+3·34	+1·98	+0·69	+0·53	−0·02	−0·17	−0·46	−1·01	−0·71
June ...	−0·65	−1·39	−2·22	−2·39	−3·46	−4·94	**−5·35**	−5·17	−3·72	−1·91	+0·60	+3·95	**+5·40**	+5·22	+4·57	+3·67	+2·55	+2·06	+1·58	+0·93	+0·50	+0·68	+0·49	−1·01
July ...	−1·19	−1·40	−1·93	−2·08	−2·88	−3·96	−3·95	**−4·05**	−2·67	−0·48	+1·24	+3·31	+5·34	**+5·65**	+4·49	+3·10	+1·55	+0·52	+0·20	−0·23	−0·09	−0·15	−0·08	−0·29
Aug. ...	−0·49	−0·35	−1·18	−1·36	−2·26	−2·91	−2·90	**−2·98**	−2·49	−0·35	+1·42	+3·96	**+4·75**	+4·13	+3·56	+2·21	+0·98	+0·28	−0·75	−0·22	−0·30	−0·93	−0·72	−1·10
Sept. ...	−0·93	−0·75	−1·54	−1·82	−2·17	−2·08	−2·28	**−2·63**	−2·18	−0·71	+1·90	+4·11	**+5·04**	+4·61	+2·83	+1·43	+0·85	+0·38	−0·11	−0·24	−0·58	−1·20	−0·92	−0·99
Oct. ...	−0·88	−0·83	−1·40	−1·16	−0·33	−0·97	−1·51	−2·30	**−2·62**	−1·28	+0·94	+3·05	+3·73	**+3·87**	+2·86	+1·68	+1·00	+0·57	+0·29	−0·65	−0·65	−1·07	−0·90	−1·45
Nov. ...	−0·57	−0·02	−0·47	−0·01	−0·43	−0·62	−1·09	−1·46	**−1·58**	−0·41	+1·21	+2·52	**+2·99**	+2·43	+1·60	+0·70	+0·54	+0·18	−0·40	−0·56	−1·48	−1·31	−0·97	−0·73
Dec. ...	−0·24	−0·03	−0·08	+0·11	−0·10	−0·29	−0·42	−0·41	−0·19	+0·41	+1·05	+1·62	**+2·06**	+1·27	+0·69	+0·17	−0·02	−0·17	−0·42	−0·79	−1·16	**−1·32**	−1·19	−0·54
Year ...	−0·71	−0·77	−1·10	−1·07	−1·47	−2·07	−2·36	**−2·63**	−2·33	−0·80	+1·07	+3·07	**+4·13**	+3·94	+2·94	+1·77	+0·90	+0·41	+0·07	−0·18	−0·50	−0·75	−0·69	−0·87
Winter ...	−0·56	−0·45	−0·47	−0·23	−0·57	−0·65	−0·78	−0·83	−0·83	+0·01	+1·17	+2·15	**+2·63**	+2·09	+1·21	+0·46	+0·21	−0·04	−0·25	−0·46	−0·92	**−1·05**	−0·93	−0·90
Equinox ...	−0·75	−0·82	−1·31	−1·27	−1·24	−1·71	−2·07	−2·84	**−2·98**	−1·35	+0·97	+3·37	+4·57	**+4·63**	+3·37	+1·77	+0·73	+0·37	+0·07	−0·19	−0·57	−0·97	−0·81	−0·95
Summer ...	−0·82	−1·03	−1·51	−1·71	−2·60	−3·84	−4·21	**−4·23**	−3·16	−1·06	+1·08	+3·68	**+5·17**	+5·09	+4·25	+3·08	+1·77	+ ·89	+ ·39	+ ·11	− ·01	− ·21	− ·33	− ·78

INCLINATION (*Quiet Days*).

255. Eskdalemuir. **1922.**

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan. ...	+0·12	+0·13	+0·10	+0·05	−0·18	**−0·32**	−0·31	−0·10	+0·12	+0·26	+0·42	**+0·45**	−0·01	−0·18	−0·14	−0·20	−0·26	−0·26	−0·12	−0·06	−0·01	+0·14	+0·15	+0·22
Feb. ...	−0·20	−0·13	−0·02	−0·16	−0·30	−0·25	−0·24	**−0·37**	−0·18	+0·03	+0·09	+0·36	+0·35	+0·15	+0·17	+0·40	**+0·44**	+0·27	+0·13	+0·02	−0·16	−0·26	−0·16	+0·01
Mar. ...	−0·16	−0·03	+0·05	−0·11	−0·22	−0·60	**−0·66**	−0·40	+0·09	+0·68	**+1·03**	+0·85	+0·52	+0·33	+0·26	+0·36	+0·26	+0·02	−0·26	−0·30	−0·42	−0·35	−0·43	−0·53
April ...	−0·41	−0·35	−0·21	−0·19	−0·25	−0·34	−0·37	−0·10	+0·62	+1·23	**+1·42**	+1·25	+0·71	+0·27	+0·06	−0·09	−0·28	**−0·49**	−0·44	−0·36	−0·32	−0·41	−0·46	**−0·49**
May ...	−0·49	−0·33	−0·36	−0·31	−0·38	−0·09	+0·28	+0·71	+1·19	**+1·56**	+1·54	+1·19	+0·64	+0·28	−0·23	−0·45	−0·48	−0·74	**−0·87**	−0·69	−0·62	−0·40	−0·35	−0·60
June ...	−0·65	−0·45	−0·16	−0·14	+0·02	+0·29	+0·76	+1·29	+1·79	**+1·99**	+1·87	+1·29	+0·63	−0·28	−0·70	−0·88	−1·08	**−1·40**	−0·99	−0·70	−0·80	−0·71	−0·56	−0·43
July ...	−0·68	−0·37	−0·09	−0·04	−0·02	+0·26	+0·57	+1·19	+1·74	**+1·86**	+1·54	+0·93	+0·21	−0·49	−1·01	**−1·07**	−0·73	−0·58	−0·60	−0·64	−0·55	−0·52	−0·50	−0·41
Aug. ...	−0·12	−0·13	−0·11	−0·03	+0·19	+0·42	+0·64	+0·87	+1·25	**+1·38**	+0·79	+0·21	0·00	−0·21	−0·21	**−0·76**	−0·47	−0·52	−0·56	−0·71	−0·61	−0·55	−0·48	−0·30
Sept. ...	−0·68	−0·42	−0·36	−0·36	−0·20	−0·17	+0·07	+0·58	+1·23	**+1·52**	+1·43	+1·01	+0·34	+0·07	−0·18	−0·20	−0·43	−0·58	−0·51	−0·23	−0·28	−0·36	−0·46	**−0·79**
Oct. ...	−0·13	−0·24	−0·26	−0·29	**−0·50**	−0·46	−0·43	0·00	+0·63	+1·10	**+1·20**	+0·78	+0·39	+0·18	+0·07	−0·03	−0·17	−0·35	−0·27	−0·24	−0·39	−0·22	−0·23	−0·14
Nov. ...	+0·03	−0·23	−0·11	−0·22	−0·33	**−0·43**	−0·38	−0·16	+0·25	+0·54	**+0·71**	+0·52	+0·25	+0·17	+0·08	0·00	−0·12	−0·14	−0·12	−0·13	−0·01	−0·02	−0·08	−0·07
Dec. ...	+0·10	+0·05	+0·07	+0·06	−0·12	−0·14	−0·14	−0·03	+0·02	+0·09	+0·16	+0·22	+0·07	−0·10	−0·09	−0·12	−0·22	**−0·28**	−0·25	−0·07	+0·12	+0·19	**+0·23**	+0·19
Year ...	−0·27	−0·21	−0·12	−0·15	−0·19	−0·15	−0·02	+0·29	+0·73	**+1·02**	**+1·02**	+0·75	+0·34	+0·02	−0·16	−0·25	−0·29	**−0·42**	−0·41	−0·34	−0·34	−0·29	−0·28	−0·28
Winter ...	+0·01	−0·05	+0·01	−0·07	−0·23	**−0·29**	−0·27	−0·17	+0·05	+0·23	+0·35	**+0·39**	+0·17	+0·01	+0·01	+0·02	−0·04	−0·10	−0·09	−0·06	−0·01	+0·01	+0·03	+0·09
Equinox ...	−0·35	−0·26	−0·19	−0·24	−0·29	−0·39	−0·35	+0·02	+0·64	+1·13	**+1·27**	+0·97	+0·49	+0·21	+0·05	+0·01	−0·15	−0·35	−0·37	−0·28	−0·35	−0·33	−0·39	**−0·49**
Summer ...	−0·49	−0·32	−0·18	−0·13	−0·05	+0·22	+0·56	+1·01	+1·49	**+1·70**	+1·43	+0·91	+0·37	−0·17	−0·54	−0·79	−0·69	**−0·81**	−0·75	−0·69	−0·65	−0·55	−0·47	−0·43

HORIZONTAL FORCE (*Quiet Days*).

256. Eskdalemuir. **1922.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 1·6	− 2·0	− 1·7	− 0·7	+ 2·4	+ **4·6**	+ **4·6**	+ 1·3	− 2·3	− 4·7	− 7·0	− **7·8**	− 1·1	+ 2·5	+ 2·7	+ 3·5	+ 4·0	+ 4·1	+ 2·1	+ 1·3	+ 0·9	− 0·9	− 1·3	− 2·8
Feb. ...	+ 2·8	+ 1·8	+ 0·5	+ 2·1	+ 3·9	+ 3·2	+ 3·0	+ **4·8**	+ 2·1	− 2·0	− 3·2	− **6·9**	− 5·8	− 2·4	− 1·4	− 4·6	− 4·9	− 2·8	− 1·1	+ 0·5	+ 2·9	+ 4·3	+ 2·7	+ 0·5
Mar. ...	+ 2·3	+ 0·5	− 0·5	+ 1·7	+ 2·9	+ 7·9	+ **9·2**	+ 5·9	− 1·6	−11·3	−**18·2**	−16·3	−11·0	− 6·8	− 3·7	− 3·5	− 1·0	+ 2·1	+ 5·7	+ 6·2	+ 7·8	+ 6·6	+ 7·2	+ 8·1
April ...	+ 6·5	+ 5·2	+ 3·3	+ 3·3	+ 4·3	+ 5·3	+ 6·0	+ 2·2	− 9·1	−18·9	−**23·7**	−22·7	−14·9	− 6·9	− 1·4	+ 1·9	+ 5·1	+ **8·8**	+ 8·1	+ 7·3	+ 6·8	+ 7·5	+ 7·9	+ 7·9
May ...	+ 6·7	+ 4·5	+ 5·2	+ 5·1	+ 6·5	+ 2·4	− 3·2	−10·0	−18·1	−25·4	−**26·4**	−22·3	−13·7	− 6·4	+ 3·0	+ 8·1	+ 9·8	+13·9	+**15·7**	+12·6	+10·6	+ 7·4	+ 5·7	+ 8·4
June ...	+ 9·0	+ 5·7	+ 2·4	+ 3·0	+ 0·9	− 3·7	−11·0	−18·8	−27·1	−**31·4**	−31·1	−23·2	−12·5	+ 1·8	+ 9·0	+14·0	+17·6	+**22·8**	+17·3	+13·3	+13·9	+11·7	+ 9·2	+ 7·0
July ...	+ 9·0	+ 4·5	+ 0·9	+ 1·0	+ 1·2	− 3·2	− 7·8	−17·1	−25·2	−**29·0**	−25·8	−17·8	− 6·2	+ 4·8	+14·3	+**16·5**	+12·8	+11·0	+11·0	+11·6	+ 9·8	+ 9·0	+ 8·3	+ 6·5
Aug. ...	+ 1·2	+ 0·7	+ 1·1	+ 0·2	− 2·4	− 5·7	− 9·1	−12·4	−18·8	−**22·5**	−14·6	− 6·6	− 3·0	+ 1·9	+ 3·7	+**12·8**	+ 9·3	+ 9·7	+10·7	+12·2	+11·0	+ 9·0	+ 7·2	+ 4·5
Sept. ...	+ 9·3	+ 6·0	+ 5·5	+ 5·6	+ 3·4	+ 3·1	− 0·1	− 8·2	−18·6	−**23·8**	−23·3	−18·1	− 8·0	− 2·6	+ 2·5	+ 4·0	+ 7·7	+10·4	+ 9·0	+ 5·3	+ 5·8	+ 6·5	+ 7·3	+**11·1**
Oct. ...	+ 2·9	+ 3·6	+ 3·8	+ 4·1	+ 6·7	+ 5·8	+ 5·6	+ 0·1	− 8·8	−16·7	−**19·4**	−14·5	− 7·9	− 3·8	− 0·7	+ 1·2	+ 3·1	+ 6·0	+ 4·9	+ 4·8	+ **6·9**	+ 4·6	+ 4·6	+ 3·2
Nov. ...	− 0·2	+ 2·9	+ 1·0	+ 2·5	+ 4·4	+ **6·0**	+ 5·3	+ 2·1	− 3·9	− 9·2	−**11·9**	− 9·4	− 4·6	− 2·4	− 0·1	+ 1·1	+ 3·0	+ 3·1	+ 2·7	+ 2·4	+ 1·1	+ 1·1	+ 1·8	+ 1·3
Dec. ...	− 1·5	− 1·0	− 1·1	− 0·9	+ 1·6	+ 1·8	+ 1·5	− 0·3	− 1·4	− 2·4	− 3·1	− **3·6**	− 1·2	+ 1·8	+ 1·9	+ 2·4	+ 3·9	+ **4·7**	+ 4·3	+ 1·6	− 1·0	− 2·1	− 3·0	− 2·7
Year ...	+ 3·9	+ 2·7	+ 1·7	+ 2·3	+ 3·0	+ 2·3	+ 0·3	− 4·2	−11·1	−16·4	−**17·8**	−14·1	− 7·5	− 1·5	+ 2·5	+ 4·8	+ 5·9	+ **7·8**	+ 7·5	+ 6·6	+ 6·4	+ 5·4	+ 4·8	+ 4·4
Winter ...	− 0·1	+ 0·4	− 0·3	+ 0·7	+ 3·1	+ **3·9**	+ 3·6	+ 2·0	− 1·4	− 4·6	− 6·3	− **6·9**	− 3·2	− 0·1	+ 0·8	+ 0·6	+ 1·5	+ 2·3	+ 2·0	+ 1·5	+ 1·0	+ 0·6	+ 0·1	− 0·9
Equinox ...	+ 5·3	+ 3·8	+ 3·0	+ 3·7	+ 4·3	+ 5·5	+ 5·2	0·0	− 9·5	−17·7	−**21·1**	−17·9	−10·5	− 5·0	− 0·8	+ 0·9	+ 3·7	+ 6·8	+ 6·9	+ 5·9	+ 6·8	+ 6·3	+ 6·7	+ **7·6**
Summer ...	+ 6·5	+ 3·9	+ 2·4	+ 2·3	+ 1·5	− 2·5	− 7·8	−14·6	−22·3	−**27·1**	−24·5	−17·5	− 8·9	+ 0·5	+ 7·5	+12·9	+12·4	+**14·3**	+13·7	+12·4	+11·3	+ 9·3	+ 7·6	+ 6·6

SELECTED DISTURBED DAYS.—DIURNAL INEQUALITIES OF THE GEOGRAPHICAL COMPONENTS OF MAGNETIC FORCE.

Departures from mean of the day adjusted for non-cyclic change.

NORTH COMPONENT (*Disturbed Days*).

257. Eskdalemuir. **1922.**

Month and Season.	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 2·4	+ 3·2	+ 2·2	+ 1·2	+ 3·0	+ 5·8	+10·3	**+17·9**	+12·5	− 5·3	− 1·9	− 0·3	+ 0·2	− 2·6	− 3·6	**−16·2**	−11·6	−10·4	− 2·3	− 2·7	− 2·9	− 0·9	+10·3	− 3·5
Feb. ...	+ 6·9	+ 3·2	+ 3·4	− 1·4	+ 8·1	**+14·5**	−11·9	− 8·0	− 4·8	**−12·4**	− 9·7	−10·9	−11·5	− 2·8	+ 3·4	− 2·4	+ 2·9	+ 3·5	+ 4·9	+ 6·2	+ 4·8	+ 3·4	+ 6·5	+ 4·1
Mar. ...	+ 2·1	+ 3·5	− 1·6	+ 1·2	+ 5·9	+10·1	+ 7·2	−12·0	−10·9	−12·1	−21·0	**−28·8**	−20·1	−11·1	− 0·4	+13·4	+17·1	+10·1	+ 7·4	+ 6·4	+ 3·1	+ 8·9	**+18·0**	+ 3·6
April ...	+20·6	+ 9·8	+ 7·2	+ 2·8	+ 0·8	− 7·2	−27·2	−18·6	−22·6	−24·4	**−44·8**	−30·0	−20·8	−17·0	− 4·6	+ 9·0	+14·8	+28·6	+21·8	**+33·8**	+15·4	+13·0	+22·0	+18·0
May ...	− 6·7	− 0·9	+10·9	+13·4	+ 4·0	+ 3·3	− 0·5	− 6·5	−20·1	−26·6	−26·8	−28·3	**−30·5**	−12·1	− 4·9	+ 2·4	+ 8·2	+28·9	**+37·5**	+33·7	+ 9·7	+ 2·2	+ 3·6	+ 6·1
June ...	− 8·6	− 0·7	+10·2	+ 4·1	+ 6·8	+ 1·7	− 8·9	−19·4	−36·7	**−47·4**	−39·3	−30·4	−11·6	− 2·9	+ 1·6	+18·1	+32·6	+32·1	**+37·9**	+27·8	+16·7	+ 7·2	+ 3·5	+ 5·6
July ...	− 0·6	−14·7	−13·0	+ 7·1	+ 0·3	− 3·6	−18·1	−26·0	−30·4	**−31·5**	−31·0	−20·1	−20·3	−14·2	− 3·1	+15·8	+25·8	**+39·3**	+34·0	+23·7	+28·3	+24·8	+17·3	+10·4
Aug. ...	+ 7·4	+ 8·6	− 1·2	+ 2·8	− 5·5	+ 4·3	+ 1·5	−12·1	−26·9	**−48·3**	−42·7	−24·8	−14·6	+ 3·4	+ 1·4	+15·0	+13·9	+21·9	+14·1	**+24·1**	+19·3	+11·5	+16·3	+10·6
Sept. ...	+ 7·9	+ 7·8	+12·7	+18·9	+ 6·0	+ 0·8	−11·5	−24·9	−30·0	**−46·1**	−42·5	−36·8	−25·0	− 7·3	+ 9·3	+18·0	**+31·1**	+27·3	+16·4	+ 9·3	+19·9	+10·0	+18·2	+10·5
Oct. ...	+ 5·2	+ 0·2	**+21·5**	+13·7	+10·4	+ 9·2	+ 6·4	−13·3	−22·5	−29·0	−24·0	**−29·1**	−17·1	− 5·7	+ 1·0	− 3·4	+ 9·9	+ 4·9	− 0·5	+12·2	+12·6	+10·7	+13·7	+13·1
Nov. ...	+ 5·2	+ 4·7	+ 7·5	+ 4·6	+13·0	+ 8·3	+ 6·7	+ 1·7	− 4·8	− 9·6	−17·9	**−22·5**	−18·9	−12·0	− 2·8	− 5·9	−10·3	+ 3·9	+ 0·8	+ 8·4	+ 3·3	+12·1	**+15·6**	+ 9·0
Dec. ...	+ 1·0	+ 3·1	+ 3·6	+10·2	**+13·7**	+13·2	+10·3	+ 4·9	− 1·2	− 3·3	− 7·6	− 8·2	− 9·7	−11·2	**−11·9**	− 5·1	− 0·4	− 2·5	0·0	+ 3·8	− 0·3	− 2·4	− 1·9	+ 1·9
Year ...	+ 3·2	+ 2·3	+ 5·3	+ 6·5	+ 5·5	+ 5·0	− 3·0	− 9·7	−16·5	−24·7	**−25·8**	−22·5	−16·7	− 8·0	− 1·2	+ 4·9	+11·2	**+15·6**	+14·3	+15·5	+10·8	+ 8·4	+11·9	+ 7·4
Winter ...	+ 2·7	+ 3·5	+ 4·2	+ 3·6	+ 9·5	**+10·5**	+ 3·9	+ 4·1	+ 0·4	− 7·6	− 9·3	**−10·5**	−10·0	− 7·2	− 3·7	− 7·4	− 4·9	− 1·3	+ 0·9	+ 3·9	+ 1·2	+ 3·1	+ 7·6	+ 2·9
Equinox ...	+ 9·0	+ 5·3	+ 9·9	+ 9·1	+ 5·8	+ 3·2	− 6·3	−17·2	−21·5	−27·9	**−33·1**	−31·2	−20·7	−10·3	+ 1·3	+ 9·2	**+18·2**	+17·7	+11·3	+15·4	+12·7	+10·6	+18·0	+11·3
Summer ...	− 2·1	− 1·9	+ 1·7	+ 6·9	+ 1·4	+ 1·4	− 6·5	−16·0	−28·5	**−38·5**	−34·9	−25·9	−19·3	− 6·5	− 1·2	+12·8	+20·1	+30·5	**+30·9**	+27·3	+18·5	+11·4	+10·2	+ 8·2

WEST COMPONENT (*Disturbed Days*).

258. Eskdalemuir. **1922.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	19·3	**27·5**	19·7	−13·5	− 6·1	+ 7·1	+11·5	+ 7·9	+10·5	+ 7·7	+13·1	+19·3	+24·7	+19·9	**+25·1**	+22·5	−11·7	+ 1·5	− 4·9	− 9·9	−10·3	−23·5	−10·9	−12·5
Feb. ...	− 4·5	−13·3	− 7·6	− 1·6	− 1·5	+14·3	**+26·4**	+10·1	+12·1	+15·4	+17·8	+20·7	+13·3	+16·2	+12·9	+ 5·3	−15·2	+ 1·4	− 4·9	**37·4**	− 32·4	− 20·5	−18·7	− 8·4
Mar. ...	−14·0	−18·1	−12·2	− 7·3	− 6·2	− 7·9	− 4·6	+11·7	− 4·2	− 2·7	+ 2·6	+21·5	+39·0	**+47·9**	+44·6	+10·5	+ 5·8	− 8·9	− 9·2	−18·3	**−32·4**	−17·7	−13·0	− 7·5
April ...	**−31·4**	−13·5	−12·2	− 0·3	+15·4	+15·1	+ 2·5	+ 2·0	− 7·9	− 1·8	+ 1·9	+16·4	+23·7	**+26·6**	+23·5	+15·2	+11·7	+ 2·2	− 5·5	−18·5	16·0	−19·5	−13·0	−16·5
May ...	−24·9	−23·9	−22·7	−19·7	−11·2	−15·4	−17·0	−16·0	−12·9	− 3·5	+11·7	+28·5	+34·2	**+41·4**	**+41·4**	+40·6	+28·5	+29·1	+13·5	+ 3·7	−11·4	−32·8	**33·2**	−28·0
June ...	− 8·5	−15·2	− 9·4	− 9·7	− 9·9	−15·0	−20·6	**−23·5**	−23·1	− 8·6	+ 4·4	+13·1	+26·9	**+35·0**	+31·0	+31·5	+25·5	+15·2	+21·4	+ 6·1	−14·1	−20·0	−18·0	−14·7
July ...	−28·6	−25·1	−12·4	−20·2	−29·3	**−31·4**	−25·5	−15·7	−10·6	− 6·3	+ 4·0	+17·4	+25·3	+31·2	+24·7	**+34·7**	+30·0	+25·3	+ 9·6	+16·0	+ 9·7	− 6·6	− 2·7	−13·3
Aug. ...	+ 2·4	−19·2	− 9·5	−13·3	− 6·7	−13·5	−15·1	−14·5	−16·6	− 3·0	+ 1·4	+12·8	+22·2	**+35·0**	+32·7	+23·5	+10·7	+ 2·9	+ 6·9	− 4·1	**−22·6**	−12·8	− 3·4	+ 3·8
Sept. ...	− 4·4	− 0·6	+ 2·6	−12·2	− 6·6	− 1·0	− 2·8	−10·8	− 5·8	+ 2·0	+13·0	+25·6	**+40·2**	+38·0	+37·4	+22·6	− 2·4	−11·2	−11·6	−23·4	−19·2	**−30·8**	−20·4	−18·0
Oct. ...	−14·9	− 1·4	− 3·6	− 6·8	+15·8	**+23·8**	+15·6	+ 5·6	+10·8	+ 6·0	+12·2	+16·8	+18·9	+28·3	+21·3	+12·5	−23·5	**−30·9**	−26·7	−21·7	−25·1	−18·5	− 9·3	−10·3
Nov. ...	− 5·8	**−16·0**	− 1·4	− 3·6	− 1·0	+ 1·4	+ 9·4	+ 9·0	+ 1·2	+ 3·6	+11·8	+15·4	**+19·4**	+10·6	+ 3·0	+ 3·8	− 4·0	− 2·6	−10·0	−15·6	−11·0	− 7·6	− 6·4	− 3·4
Dec. ...	− 4·7	− 0·3	− 2·7	− 4·3	− 3·7	+ 1·9	+ 6·1	+11·3	+10·1	+ 7·7	+ 7·9	+12·5	**+15·3**	+10·6	+11·4	+ 0·2	+ 5·0	+ 2·8	−15·6	**−26·6**	−18·4	−12·4	− 8·2	− 6·0
Year ...	−13·2	−14·5	− 9·2	− 9·4	− 4·2	− 1·3	− 1·2	− 1·9	− 3·0	+ 1·4	+ 8·5	+18·3	+25·3	**+28·4**	+25·8	+18·6	+ 5·0	+ 2·2	− 3·1	−12·5	−16·9	**−18·6**	−13·1	−11·2
Winter ...	− 8·6	−14·3	− 7·9	− 5·8	− 3·1	+ 6·1	+13·3	+ 9·6	+ 8·5	+ 8·6	+12·6	+16·9	**+18·1**	+14·3	+13·1	+ 7·9	− 6·5	+ 0·7	− 8·9	**−22·4**	−18·0	−16·0	−11·1	− 7·6
Equinox ...	−16·2	− 8·4	− 6·3	− 6·6	+ 4·6	+ 8·8	+ 2·7	+ 2·1	− 1·8	+ 0·9	+ 7·4	+20·1	+30·5	**+35·2**	+31·7	+15·2	− 2·1	−12·2	−13·2	−20·5	**−23·2**	−21·6	−13·9	−13·1
Summer ...	−14·9	**−20·9**	−13·5	−15·7	−14·3	−18·8	−19·6	−17·4	−15·8	− 5·4	+ 5·4	+18·0	+27·1	**+35·6**	+32·5	+32·6	+23·7	+18·1	+12·8	+ 5·4	− 9·6	−18·1	−14·3	−13·0

VERTICAL COMPONENT (*Disturbed Days*).

259. Eskdalemuir. **1922.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	15·2	−22·0	−17·9	−15·0	−15·1	−17·5	−24·2	**−24·5**	−23·6	−19·0	−17·1	−13·8	− 7·8	+ 2·8	+20·7	+42·3	**+76·6**	+50·9	+31·2	+16·4	+ 9·4	+ 8·3	− 8·7	−16·5
Feb. ...	− 4·2	− 8·7	− 9·5	−13·8	−18·5	−27·3	**−28·2**	−20·3	−13·9	− 6·8	− 3·3	− 0·1	+ 6·0	+ 9·9	+13·7	+18·2	**+28·3**	+19·3	+23·4	+18·7	+13·7	+ 7·0	+ 0·9	− 2·5
Mar. ...	−21·0	**−27·3**	−26·2	−17·5	−16·6	−23·6	−20·1	−20·8	−24·3	−18·5	−16·2	−11·9	− 5·0	+10·0	+ 32·0	+ 51·2	**+55·9**	+ 53·9	+ 41·6	+ 27·5	+ 16·2	− 7·2	−16·3	−15·8
April ...	**35·0**	− 28·4	11·2	−13·4	−28·2	−32·7	−25·1	−11·3	− 2·5	+ 1·1	+ 3·1	+ 3·0	+ 5·4	+10·0	+ 18·4	+ 27·6	**+29·4**	+ 28·7	+ 25·7	+ 21·1	+ 14·9	+10·5	− 0·1	−11·0
May ...	33·8	**−37·6**	−30·8	−22·6	−21·0	−15·8	− 7·1	− 3·7	− 2·5	− 5·1	− 6·7	− 7·3	− 0·3	+ 7·1	+ 17·7	+ 27·7	+ 38·9	+ 44·1	**+49·3**	+ 34·8	+ 24·8	− 6·2	−18·8	25·2
June ...	22·9	27·4	−15·5	− 0·8	−11·1	− 0·0	− 5·5	− 2·7	− 3·8	− 5·5	− 6·8	− 7·5	− 3·1	+ 4·2	+13·3	+ 10·0	+ 20·9	+ 22·0	+ 24·3	**+26·7**	+ 15·8	+ 3·9	− 6·0	−10·5
July ...	24·1	28·0	**−33·2**	−10·1	− 9·0	− 5·4	− 5·9	− 9·0	−10·5	− 8·4	− 7·1	− 7·5	− 5·0	− 0·1	+ 14·2	+ 23·5	+ 34·8	+ 38·0	**+42·1**	+ 30·8	+ 22·9	+ 3·0	− 13·1	− 25·1
Aug. ...	−27·9	**−28·0**	−24·5	−22·2	−21·7	−15·5	− 9·4	− 7·1	− 7·4	− 6·7	− 6·8	− 5·1	− 2·6	+ 4·9	+23·8	+36·5	**+42·4**	+38·3	+30·7	+23·4	+11·5	+ 2·6	− 7·9	−21·4
Sept. ...	24·3	27·0	20·7	20·2	**−28·9**	− 25·4	− 22·5	− 14·2	− 11·1	− 6·8	− 3·7	+ 0·4	+ 6·9	+ 23·0	+ 30·5	+ 44·2	**+57·5**	+ 41·2	+ 36·5	+ 31·8	+ 1·5	− 15·0	− 21·3	− 22·0
Oct. ...	27·3	31·7	34·0	31·1	33·0	**−36·4**	− 27·3	− 15·5	− 10·8	− 4·5	− 3·1	+ 9·0	+ 13·9	+ 19·7	+ 45·4	+ 63·1	**+64·9**	+ 47·2	+ 26·7	+ 8·7	+ 0·8	− 6·5	− 17·5	− 20·6
Nov. ...	**−28·9**	−18·4	−18·7	−12·9	−10·8	− 9·7	− 7·7	− 5·6	− 2·5	− 1·7	− 0·4	+ 4·1	+ 8·7	+16·6	**+24·9**	+21·7	+20·0	+15·1	+12·3	+ 9·0	+ 6·9	+ 1·1	− 7·6	− 15·7
Dec. ...	− 2·7	− 4·3	− 6·8	− 6·9	− 7·2	− 7·5	− 8·1	− 8·6	**−8·7**	− 6·9	− 3·8	− 3·5	− 1·4	+ 3·7	+ 7·7	+11·8	+10·3	+ 9·5	**+12·2**	+11·7	+ 7·2	+ 4·1	+ 1·7	− 3·4
Year ...	22·4	−24·3	21·3	−17·3	−18·5	−18·8	−15·9	−11·0	−10·1	− 7·4	− 6·0	− 3·3	+ 1·3	+ 9·3	+ 22·4	+ 32·0	**+39·8**	+ 34·0	+ 29·7	+ 21·7	+ 11·9	+ 0·5	− 9·6	−15·8
Winter ...	−12·7	−13·6	−13·2	−12·1	−12·9	−15·5	**−17·0**	−14·8	−12·2	− 8·6	− 6·2	− 3·3	+ 1·4	+ 8·3	+16·7	+23·5	**+33·3**	+ 23·7	+ 19·8	+ 13·9	+ 9·3	+ 5·2	− 3·5	− 9·5
Equinox ...	−27·1	−28·8	−24·5	−22·0	−26·9	**−29·5**	−23·8	−15·5	−12·2	− 7·2	− 5·0	+ 0·3	+ 5·3	+15·7	+33·3	+46·5	**+51·9**	+42·7	+32·6	+22·3	+ 7·6	− 4·5	−13·8	−17·4
Summer ...	−27·3	**30·5**	−26·0	17·7	−15·9	−11·4	− 6·9	− 5·6	− 6·1	− 6·4	− 6·9	− 6·8	− 2·7	+ 4·0	+ 17·3	+ 25·9	+ 34·3	+ 35·6	**+36·6**	+ 28·9	+ 18·7	+ 0·8	− 11·5	−20·5

SELECTED DISTURBED DAYS.—DIURNAL INEQUALITIES.

Departures from mean of the day adjusted for non-cyclic change.

DECLINATION (measured positive towards the West) (*Disturbed Days*).

260. Eskdalemuir. **1922.**

Month and Season.	Hour 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan. ...	−3·68	**−5·63**	−4·03	−2·75	−1·39	+1·05	+1·66	+0·51	+1·34	+1·82	+2·69	+3·82	+4·86	+ 4·08	+5·16	**+5·39**	−1·64	+0·89	−0·84	−1·80	−1·87	−4·60	−2·77	−2·28
Feb. ...	−1·28	−2·82	−1·69	−0·24	−0·76	+1·97	+5·91	+2·47	+2·67	+3·77	+4·08	**+4·73**	+3·29	+ 3·37	+2·36	+1·18	−3·17	+0·06	−1·26	**−7·74**	−6·69	−4·25	−4·08	−1·90
Mar. ...	−2·88	−3·77	−2·31	−1·51	−1·57	−2·14	−1·33	+3·02	−0·19	+0·18	+1·75	+5·94	+8·89	**+10·12**	+8·84	+1·30	+0·15	−2·34	−2·25	−3·98	**−6·58**	−4·01	−3·62	−1·69
April ...	**−7·41**	−3·24	−2·83	−0·22	+3·01	+3·42	+2·08	+1·48	−0·24	+1·07	+2·99	+5·00	+5·90	+ **6·26**	+4·92	+2·48	+1·45	+1·23	−2·35	−5·64	−4·07	−4·62	−3·86	−4·32
May ...	−4·54	−4·67	−5·12	−4·67	−2·45	−3·24	−3·33	−2·78	−1·38	+0·86	+3·88	+7·30	+8·54	+ **8·89**	+8·47	+7·89	+5·15	+4·06	+0·48	−1·23	−2·83	−6·61	**−6·77**	−5·88
June. ...	−1·17	−2·96	−2·44	−2·16	−2·35	−3·07	−3·54	−3·51	−2·42	+1·06	+3·16	+4·35	+6·00	+ **7·08**	+6·04	+5·16	+3·14	+1·12	+2·03	−0·42	−3·75	**−4·37**	−3·75	−3·24
July ...	−5·61	−4·10	−1·70	−4·40	−5·80	**−5·99**	−3·99	−1·58	−0·32	+0·59	+2·59	+4·61	+6·18	+ **6·99**	+5·05	+5·94	+4·42	+2·70	−0·09	+1·78	+0·27	−2·75	−1·55	−3·23
Aug. ...	+0·04	−4·30	−1·80	−2·79	−1·00	−2·92	−3·08	−2·17	−1·71	+2·22	+2·76	+3·97	+5·23	+ **6·71**	+6·39	+3·77	+1·31	−0·70	+0·54	−2·22	**−5·59**	−3·20	−1·62	+0·13
Sept. ...	−1·33	−0·57	−0·22	−3·51	−1·65	−0·25	+0·11	−0·69	+0·59	+3·08	+5·04	+7·20	**+9·40**	+ 7·94	+6·85	+3·42	−2·28	−3·81	−3·25	−5·17	−4·96	**−6·67**	−5·09	−4·17
Oct. ...	−3·26	−0·28	−1·96	−2·13	+2·52	+5·16	+2·72	+1·88	+3·44	+2·87	+3·80	+5·00	+4·74	+ **5·94**	+4·16	+2·68	−5·22	**−6·39**	−5·25	−5·00	−5·70	−4·29	−2·64	−2·80
Nov. ...	−1·45	−3·44	−0·72	−0·98	−0·95	−0·20	+1·47	+1·68	+0·52	+1·27	+3·37	+4·35	**+4·93**	+ 2·79	+0·75	+1·09	−0·20	−0·75	−2·03	**−3·58**	−2·37	−2·21	−2·17	−1·20
Dec. ...	−0·98	−0·23	−0·74	−1·43	−1·52	−0·39	+0·61	+1·95	+2·06	+1·71	+2·00	+2·94	**+3·58**	+ 2·75	+2·95	+0·34	+1·02	+0·70	−3·09	**−5·48**	−3·62	−2·32	−1·52	−1·30
Year. ...	−2·80	−3·00	−2·13	−2·23	−1·16	−0·55	−0·06	+0·19	+0·36	+1·71	+3·18	+4·93	+5·96	+ **6·08**	+5·16	+3·39	+0·34	−0·47	−1·45	−3·37	−3·98	**−4·16**	−3·29	−2·66
Winter ...	−1·85	−3·03	−1·79	−1·35	−1·15	+0·61	+2·41	+1·65	+1·65	+2·14	+3·03	+3·96	**+4·17**	+ 3·25	+2·81	+2·00	−1·00	+0·23	−1·81	**−4·65**	−3·64	−3·35	−2·63	−1·67
Equinox	−3·72	−1·97	−1·83	−1·84	+0·58	+1·55	+0·89	+1·42	+0·90	+1·80	+3·39	+5·79	+7·23	+ **7·57**	+6·19	+2·47	−1·47	−3·44	−3·27	−4·95	**−5·33**	−4·90	−3·80	−3·25
Summer	−2·82	−4·01	−2·77	−3·51	−2·90	−3·81	−3·49	−2·51	−1·46	+1·18	+3·10	+5·06	+6·49	+ **7·42**	+6·49	+5·69	+3·51	+1·79	+0·74	−0·52	−2·97	**−4·23**	−3·42	−3·05

INCLINATION (*Disturbed Days*).

261. Eskdalemuir. **1922.**

	′	′	′	′	′	′	′	**−1·91**	′	′	′	′	′	′	′	**+2·87**	′	′	′	′	′	′	′	′
Jan. ...	+0·15	−0·25	−0·21	−0·19	−0·45	−0·94	−1·48		−1·59	−0·28	−0·55	−0·69	−0·68	−0·14	+0·27	+1·67	+1·90	+1·02	+ ·77	+0·62	+0·71	−0·67	+0·05	
Feb. ...	−0·47	−0·17	−0·31	−0·22	−0·95	**−1·88**	−0·44	−0·18	−0·27	+0·33	+0·20	+0·31	+0·64	+0·12	−0·12	+0·50	+0·76	+0·23	+0·36	**+0·78**	+0·65	+0·34	−0·04	−0·17
Mar. ...	−0·41	−0·56	−0·32	−0·37	−0·68	−1·09	−0·88	+0·03	+0·18	+0·37	+0·90	**+1·15**	+0·43	+0·05	−0·01	+0·21	+0·18	+0·86	+0·73	+0·62	+0·82	−0·41	**−1·32**	−0·48
Apr. ...	**−1·60**	−1·08	−0·51	−0·51	−1·05	−0·64	+1·08	+0·88	+1·55	+1·04	+2·56	+1·70	+1·02	+0·84	+0·31	−0·18	−0·44	−1·17	−0·06	−1·30	−0·31	−0·20	−1·17	−1·12
May ...	+0·07	−0·42	−1·04	−1·05	−0·57	−0·31	+0·18	+0·63	+1·48	**+1·65**	+1·34	+1·10	+1·31	+0·17	−0·04	−0·24	−0·10	−1·32	**−1·45**	−1·38	+0·21	+0·33	−0·07	−0·48
June ...	+0·15	−0·35	−0·86	−0·32	0·53	−0·05	+0·83	+1·63	+2·71	**+3·08**	+2·27	+1·52	+0·16	−0·37	−0·36	−1·37	−2·06	−1·81	**−2·24**	−1·24	−0·41	+0·01	−0·63	−0·34
July ...	−0·02	+0·71	+0·25	−0·48	+0·30	+0·70	+1·50	+1·75	+1·90	**+1·94**	+1·74	+0·77	+0·70	+0·32	+0·08	−1·09	−1·36	**−2·06**	−1·32	−1·07	−1·43	−1·39	−1·39	−1·04
Aug. ...	−1·22	−0·89	−0·35	−0·48	−0·06	−0·41	−0·04	+0·88	+1·86	**+3·00**	+2·55	+1·23	+0·46	−0·76	−0·12	−0·51	−0·04	−0·51	−0·27	−0·89	−0·53	−0·44	−1·19	**−1·58**
Sept. ...	−1·03	−1·18	−1·53	**−1·64**	−0·98	−0·67	+0·23	+1·45	+1·77	**+2·77**	+2·40	+1·90	+1·02	+0·32	−0·40	−0·49	−0·53	−0·52	+0·07	+0·64	−0·96	−0·43	−1·32	−0·88
Oct. ...	−0·73	−0·77	**−2·17**	−1·53	−1·82	−2·04	−1·38	+0·36	+0·98	+1·64	+1·24	**+1·79**	+1·09	+0·32	+0·66	+1·55	+1·42	+1·44	+1·21	−0·16	−0·31	−0·50	−1·14	−1·16
Nov. ...	−0·95	−0·46	−0·92	−0·55	**−1·09**	−0·80	−0·80	−0·42	+0·23	+0·51	+0·92	**+1·26**	+1·07	+0·99	+0·74	+0·85	+1·24	+0·17	+0·45	−0·02	+0·17	−0·61	−1·07	−0·91
Dec. ...	−0·04	−0·30	−0·35	−0·75	−0·99	**−1·07**	−0·98	−0·74	−0·33	−0·11	+0·24	+0·21	+0·30	+0·61	**+0·74**	+0·62	+0·19	+0·34	+0·60	+0·55	+0·55	+0·49	+0·32	−0·09
Year ...	−0·51	−0·48	−0·69	−0·67	−0·74	**−0·77**	−0·18	−0·36	+0·87	**+1·38**	+1·35	+1·02	+0·63	+0·21	+0·15	+0·13	+0·18	−0·20	−0·13	−0·23	−0·08	−0·17	−0·76	−0·66
Winter ...	−0·33	−0·29	−0·45	−0·43	−0·87	**−1·17**	−0·93	−0·81	−0·49	+0·11	+0·20	+0·27	+0·33	+0·39	+0·41	+0·91	**+1·27**	+0·66	+0·61	+0·52	+0·50	+0·23	−0·37	−0·28
Equinox ...	−0·94	−0·90	−1·13	−1·01	−1·13	−1·11	−0·24	+0·68	+1·12	+1·61	**+1·87**	+1·63	+0·89	+0·38	+0·14	+0·27	+0·16	+0·15	+0·34	−0·05	−0·19	−0·39	**−1·24**	−0·91
Summer ...	−0·25	−0·24	−0·50	−0·58	−0·21	−0·02	+0·62	+1·22	+1·99	**+2·42**	+1·97	+1·15	+0·66	−0·16	−0·11	−0·80	−0·89	**−1·43**	−1·32	−1·15	−0·54	−0·37	−0·67	−0·79

HORIZONTAL FORCE (*Disturbed Days*).

262. Eskdalemuir. **1922.**

	γ	γ	γ	γ	γ	γ	γ	γ	**+19·4**	γ	γ	γ	γ	γ	γ	γ	γ	γ	**−14·4**	γ	γ	γ	γ	γ
Jan. ...	− 7·8	− 4·8	− 3·5	− 2·7	+ 1·2	+ 7·6	+13·1		+14·9	− 2·9	+ 1·9	+ 5·2	+ 7·2	+ 3·1	+ 3·7	− 9·1		− 9·5	− 3·6	− 5·4	− 5·7	− 7·5	+ 6·8	− 6·9
Feb. ...	+ 5·4	− 0·7	+ 1·1	− 1·8	+ 7·3	**+17·9**	− 3·9	− 4·8	− 1·2	**− 7·5**	− 4·3	− 4·6	− 7·2	+ 1·9	+ 6·9	− 0·8	− 1·6	+ 3·7	+ 3·3	− 4·7	− 4·6	− 2·5	+ 0·9	+ 1·6
Mar. ...	− 1·9	− 1·8	− 5·0	− 0·9	+ 3·9	+ 7·4	+ 5·6	− 8·2	−11·6	−12·4	19·4	**21·5**	− 8·2	+ 2·9	+12·3	**+15·8**	+18·1	+ 7·1	+ 4·5	+ 0·9	− 6·2	+ 3·5	+13·6	+ 1·3
April ...	+10·8	+ 5·6	+ 3·4	+ 2·6	+ 5·1	− 2·6	−25·4	−17·3	−23·9	−23·9	**−42·4**	−24·1	−13·2	− 8·8	+ 2·2	+12·9	+17·5	**+28·0**	+19·3	+27·1	+10·2	+ 6·9	+17·4	+12·6
May ...	−13·5	− 7·6	+ 4·1	+ 7·3	+ 0·7	− 1·3	− 5·3	−10·7	−22·9	**−26·5**	−22·4	−19·1	−19·6	+ 0·1	+ 7·1	+13·8	+16·0	+35·9	**+39·8**	+33·4	+ 6·1	− 7·2	− 5·9	− 2·1
June ...	−10·7	− 5·0	+ 7·1	+ 1·2	+ 3·7	− 2·6	−14·4	−25·3	−41·7	**−47·9**	−36·4	−25·4	− 3·5	+ 7·1	+10·3	+26·3	+38·5	+35·1	**+42·4**	+28·4	+12·0	+ 1·2	− 1·7	+ 1·2
July ...	− 8·7	−21·2	−16·0	+ 1·1	− 8·0	−12·4	−24·6	−29·3	**−32·2**	−32·0	−28·6	−14·3	−12·3	− 4·8	+ 4·0	+25·0	+33·2	**+44·8**	+35·3	+27·3	+29·9	+21·9	+15·8	+ 6·2
Aug. ...	+ 7·8	+ 2·8	− 3·8	− 1·0	− 7·2	+ 0·3	− 2·8	−15·7	−30·5	**−47·1**	−40·5	−20·2	− 7·7	+13·1	+10·6	+21·1	+16·3	+21·8	+15·5	**+21·9**	+12·2	+ 7·5	+14·7	+11·2
Sept. ...	+ 6·4	+ 7·3	+12·9	+14·7	+ 3·9	+ 0·5	−11·8	−26·9	−30·4	**−43·7**	−37·1	−28·1	−12·6	+ 3·7	+19·5	+23·6	**+29·1**	+23·1	+12·5	+ 2·3	+13·7	+ 0·9	+11·7	+ 5·0
Oct. ...	+ 0·8	− 0·2	**+19·7**	+11·2	+14·5	+16·9	+10·5	−11·2	−18·6	**−26·1**	−19·6	−23·1	−11·1	+ 2·5	+ 7·0	+ 0·3	+ 2·9	− 4·0	− 8·0	+ 5·6	+ 5·0	+ 5·1	+10·5	+ 9·6
Nov. ...	+ 3·4	0·0	+ 6·8	+ 3·4	+12·2	+ 8·3	+ 9·1	+ 4·2	− 4·3	− 8·2	−13·9	**−17·3**	−12·6	− 8·6	− 1·8	− 4·6	−11·0	+ 3·1	− 2·1	+ 3·7	0·0	+ 9·5	**+13·1**	+ 7·7
Dec. ...	− 0·4	+ 2·9	+ 2·7	+ 8·5	+12·1	**+13·2**	+11·6	+ 7·8	+ 1·7	− 1·0	− 5·0	− 4·4	− 5·0	− 7·7	− **8·2**	− 4·9	+ 1·0	− 1·6	− 4·4	− 3·9	− 5·5	− 5·8	− 4·1	+ 0·1
Year ...	− 0·7	− 1·9	+ 2·5	+ 3·6	+ 4·1	+ 4·4	− 3·2	− 9·8	−16·7	**−23·3**	−22·3	−16·4	− 8·8	+ 0·4	+ 6·1	+ 9·9	+12·1	**+15·6**	+12·9	+11·4	+ 5·6	+ 2·8	+ 7·7	+ 4·0
Winter ...	+ 0·1	− 0·7	+ 1·8	+ 1·9	+ 8·2	**+11·7**	+ 7·5	+ 6·7	+ 2·8	− 4·9	− 5·3	− 5·3	− 4·4	− 2·8	+ 0·1	− 4·9	− **6·5**	− 1·1	− 1·7	− 2·6	− 3·9	− 1·6	+ 4·2	+ 0·6
Equinox ...	+ 4·0	+ 2·7	+ 7·7	+ 6·9	+ 6·9	+ 5·6	− 5·3	−15·9	−21·1	−26·5	**−29·6**	−24·2	−11·3	+ 0·1	+10·3	+13·1	**+16·9**	+13·5	+ 7·1	+ 9·0	+ 5·7	+ 4·1	+13·3	+ 7·1
Summer ...	− 6·3	− 7·7	− 2·1	+ 2·1	− 2·7	− 4·0	−11·8	−20·3	−31·8	**−38·4**	−32·0	−19·7	−10·8	+ 3·9	+ 8·0	+21·5	+26·0	**+34·4**	+33·3	+27·7	+15·1	+ 5·9	+ 5·7	+ 4·1

RANGE OF MEAN DIURNAL INEQUALITIES FOR THE MONTHS, YEAR, AND SEASONS OF 1922.

NOTE.—The ranges are those shown in Tables 245 to 262, in the preparation of which the non-cyclic change has been eliminated.

263. Eskdalemuir. **1922.**

Month and Season.	"All" Days.			Quiet Days.			Disturbed Days.			"All" Days.			Quiet Days.			Disturbed Days.		
	N.	W.	V.	N.	W.	V.	N.	W.	V.	D.	I.	H.	D.	I.	H.	D.	I.	H.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	′	′	γ	′	′	γ	′	′	γ
January ...	12·4	24·7	18·8	14·9	18·7	6·3	34·1	52·6	101·2	5·16	1·01	10·2	3·84	0·77	12·4	11·02	4·78	33·8
February ...	14·6	29·1	19·1	16·4	18·6	9·5	26·9	63·8	54·5	6·47	0·98	10·0	4·59	0·81	11·7	12·47	2·66	25·4
March ...	34·5	43·2	30·6	31·3	34·2	17·7	46·9	80·3	83·3	9·92	1·81	26·3	7·67	1·69	27·4	16·70	2·47	37·3
April ...	48·9	41·9	31·9	35·5	44·8	17·0	78·6	58·0	64·5	9·51	2·69	47·9	9·50	1·91	32·5	13·67	4·53	70·4
May ...	49·2	46·2	30·2	41·1	47·9	20·1	68·0	74·6	86·9	9·41	2·72	49·2	10·09	2·43	42·1	15·66	3·10	66·3
June ...	53·3	50·1	25·6	49·7	54·3	18·1	85·3	58·5	54·1	10·32	3·36	58·0	10·75	3·39	54·2	11·45	5·32	90·3
July ...	48·8	50·8	27·4	38·8	51·3	16·9	70·8	66·1	75·3	10·65	3·03	52·5	9·70	2·93	45·5	12·98	4·00	77·0
August ...	44·4	46·3	27·0	33·1	38·6	15·9	72·4	57·5	70·4	9·86	2·49	44·7	7·73	2·14	35·3	12·30	4·29	69·0
September ...	41·4	38·5	28·5	37·0	36·6	13·1	77·2	71·0	86·4	9·17	2·55	40·2	7·67	2·31	34·9	16·07	4·41	72·8
October ...	38·5	35·9	25·6	27·3	31·6	11·3	50·6	59·7	101·3	8·52	2·21	31·3	6·49	1·70	26·3	12·33	3·96	45·8
November ...	20·7	22·2	13·8	19·6	21·1	7·6	38·1	35·4	53·7	5·28	1·26	18·2	4·57	1·14	17·9	8·51	2·35	30·4
December ...	14·0	21·8	9·3	10·4	16·0	5·1	25·6	41·9	20·8	4·75	0·79	11·5	3·38	0·51	8·3	9·06	1·81	21·4
Year ...	31·5	31·0	22·2	25·2	31·8	11·8	41·4	47·0	64·1	6·99	1·56	29·9	6·76	1·44	25·1	10·24	2·15	38·9
Winter ...	15·2	23·7	13·8	14·2	16·1	5·7	20·9	40·5	50·3	5·29	0·86	12·1	3·68	0·68	10·8	8·82	2·44	18·2
Equinox ...	37·5	36·9	28·1	30·3	36·7	13·7	51·3	58·4	81·5	8·76	2·08	33·1	7·61	1·76	28·7	12·90	3·11	46·5
Summer ...	48·1	47·8	26·8	37·5	47·7	17·4	69·3	56·5	67·1	9·99	2·87	51·0	9·40	2·51	41·4	11·65	3·85	72·8

NON-CYCLIC CHANGE (24h.—0h.).

264. Eskdalemuir. **1922.**

Month.	"All" Days.			Quiet Days.			Disturbed Days.		
	N.	W.	V.	N.	W.	V.	N.	W.	V.
	γ	γ	γ	γ	γ	γ	γ	γ	γ
January ...	+0·4	−1·5	−0·9	+2·4	−2·4	−0·8	− 0·4	− 4·8	− 6·7
February ...	+0·7	+1·3	−0·3	+4·8	0·0	−0·2	−10·4	− 8·2	− 1·6
March ...	0·0	+0·1	−0·5	−0·6	+3·8	−0·4	−13·2	−12·0	− 7·8
April ...	+0·3	−0·3	−0·1	+3·6	+4·0	−0·6	0·0	+16·6	+14·0
May ...	+0·1	+0·1	−0·1	+1·6	+5·8	−2·0	− 0·8	−15·0	−14·2
June ...	0·0	−0·5	−1·2	+4·4	−5·0	+0·8	− 2·8	+18·0	− 7·6
July ...	−0·4	−0·2	+1·2	+2·4	+1·8	+0·4	−17·4	− 6·6	− 6·8
August ...	−0·2	−0·2	+0·6	+1·2	+2·8	+3·0	− 5·2	+ 5·2	− 7·4
September ...	−0·4	−0·3	+0·2	+5·6	+1·4	−0·4	−15·8	−14·4	−16·8
October ...	−0·2	+0·5	−0·9	+0·6	0·0	−0·8	+ 1·0	+ 9·8	− 3·2
November ...	+0·4	−0·7	0·0	+0·2	+0·6	−1·0	+ 8·6	− 9·6	+ 3·2
December ...	+0·3	−0·3	−0·5	+1·3	+1·6	−2·4	+ 1·8	− 4·6	− 3·0
Year 1922 ...	—	—	—	—	—	—	—	—	—

MEAN VALUE OF THE SQUARES OF THE ABSOLUTE DAILY RANGES.

(Unit, $100\gamma^2$.)

265. Eskdalemuir. **1922.**

R_N^2	R_W^2	R_V^2	$R_N^2 + R_W^2$	$R_N^2 + R_W^2 + R_V^2$	Mean Character Figure.
83·3	74·1	35·5	157·4	192·9	0·58
57·5	78·4	21·7	135·9	157·6	0·75
126·3	104·6	54·5	230·9	285·4	0·81
135·9	93·9	49·7	229·8	279·5	0·83
94·5	81·3	45·4	175·8	221·2	0·58
110·9	70·8	33·2	181·7	214·9	0·73
105·4	80·6	37·6	186·0	223·6	0·84
91·2	71·8	37·0	163·0	200·0	0·77
129·5	108·6	64·9	238·1	303·0	0·67
102·2	85·3	48·2	187·5	235·7	0·61
37·0	39·9	16·1	76·9	93·0	0·33
17·9	33·7	3·7	51·6	55·3	0·29
91·0	76·9	37·3	167·9	205·2	0·65

MEAN MONTHLY AND ANNUAL VALUES OF TERRESTRIAL MAGNETIC ELEMENTS.

(All days except those noted in monthly tables.)

266. Eskdalemuir. **1922.**

Month.	N.	W.	V.	Total.	Declination (West).		Inclination (North).		Horizontal Force.
	γ	γ	γ	γ	°	′	°	′	γ
January ...	15995	4737	45039	48030	16	29·8	69	40·6	16682
February ...	15995	4733	45045	48034	16	29·0	69	40·8	16681
March ...	15992	4729	45025	48014	16	28·4	69	40·5	16677
April ...	15987	4729	44991	47981	16	28·7	69	40·0	16672
May ...	15994	4726	45011	48001	16	27·7	69	40·1	16678
June ...	16013	4726	45039	48034	16	26·6	69	39·6	16666
July ...	16013	4726	45033	48028	16	26·6	69	39·5	16666
August ...	16002	4715	45006	47998	16	25·1	69	39·7	16682
September ...	15990	4703	45001	47991	16	22·9	69	40·0	16676
October ...	16000	4701	45008	47998	16	22·4	69	40·2	16676
November ...	16003	4697	44991	47983	16	21·4	69	39·6	16678
December ...	15994	4694	44955	47946	16	21·4	69	39·4	16668
Year 1922 ...	15999	4718	45012	48003	16	25·8	69	40·0	16680

Values of a_n, b_n in the series $\Sigma\ (a_n \cos 15nt^\circ + b_n \sin 15nt^\circ)$, t being reckoned in hours from midnight G.M.T.

267. Eskdalemuir. (Longitude of Eskdalemuir Observatory, 3° 12′ W.) **1922.**

Month and Season.	North Component.								West Component.								Vertical Component.							
	a_1.	b_1.	a_2.	b_2.	a_3.	b_3.	a_4.	b_4.	a_1.	b_1.	a_2.	b_2.	a_3.	b_3.	a_4.	b_4.	a_1.	b_1.	a_2.	b_2.	a_3.	b_3.	a_4.	b_4.
													"*All*" *Days.*											
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan.	+ 2·4	+ 2·1	− 2·2	−1·0	+1·7	−1·4	+0·5	+0·9	− 9·6	− 1·4	−0·8	+ 1·7	−0·6	−2·1	+1·4	+0·9	+ 0·2	− 8·2	− 2·1	−0·2	+0·8	−0·5	−0·1	−1·1
Feb.	+ 4·5	+ 1·1	− 2·4	−0·9	+1·0	−1·2	−0·5	−0·2	−11·7	+ 0·8	+1·9	+ 2·5	+0·4	+1·1	+2·1	+2·1	+ 0·6	− 9·1	− 1·3	−0·4	+0·1	−0·2	−0·6	−0·5
Mar.	+11·0	− 0·7	− 7·1	−3·4	+3·3	−2·1	−0·4	−0·6	−11·6	− 4·9	+1·6	+10·1	−0·5	−4·4	+1·1	+3·0	− 1·2	−12·1	− 7·1	+0·4	+0·5	+2·3	−1·3	−1·1
Apr.	+17·1	− 5·3	−10·0	−1·0	+3·5	0·0	+0·2	+0·4	−10·1	−10·0	+0·7	+10·4	0·0	−4·6	+1·8	+0·3	+ 0·2	−12·6	− 6·1	−3·9	−0·7	+1·4	−1·7	−1·0
May	+15·1	− 7·9	−10·7	+ 0·2	+0·7	−0·5	+1·0	+0·9	− 9·1	−15·3	+2·1	+ 9·7	−2·6	−1·2	+0·9	+1·4	− 0·1	−10·1	− 8·2	−2·6	+0·5	−0·1	−0·6	+0·5
June	+15·8	−10·6	−11·4	+ 3·1	+1·3	−0·7	+0·5	+0·7	− 6·6	−20·1	+1·5	+ 8·9	−1·9	−1·0	+0·7	+1·0	+ 1·3	− 8·4	− 7·3	−2·5	−0·1	−0·4	−0·6	−0·5
July	+14·8	−11·1	− 9·4	+ 1·5	+0·2	−1·4	+1·1	0·0	− 6·9	−19·2	+3·3	+ 8·1	−1·4	−2·1	−0·6	+1·2	− 0·9	− 8·8	− 7·6	−3·1	+0·2	−0·3	−0·3	−0·7
Aug.	+14·4	− 8·4	− 8·5	+ 2·8	+1·6	−3·4	+0·8	+0·8	− 9·6	−13·3	+5·9	+ 8·5	−2·1	−2·1	+0·6	+0·5	0·0	−10·4	− 7·6	−0·9	+1·3	+0·2	−1·2	−0·4
Sept.	+15·2	− 5·7	− 8·3	+ 4·2	+2·0	−2·1	+0·1	+0·7	−11·8	− 7·6	+4·1	+ 7·8	−2·2	−3·3	+2·2	+2·0	− 3·3	− 9·0	− 6·2	−0·6	+1·1	+0·8	−0·8	−0·7
Oct.	+13·3	+ 0·8	− 7·3	− 0·8	+2·3	−2·9	−1·3	+0·2	− 9·9	− 2·4	+1·7	+ 8·0	−0·7	−4·7	+1·2	+1·8	− 3·3	− 9·8	− 4·5	+0·5	+1·4	+1·7	−1·1	−0·6
Nov.	+ 6·7	+ 0·2	− 5·1	− 0·6	+2·0	−1·9	−0·1	+0·3	− 6·2	− 1·1	+1·4	+ 4·6	−0·9	−1·6	+1·6	+1·0	− 1·6	− 5·6	− 1·8	−0·4	+0·5	−1·0	−0·9	−0·5
Dec.	+ 2·8	+ 2·2	− 3·5	− 1·5	+0·7	−1·0	+0·2	+0·4	− 7·3	+ 0·6	+0·5	+ 3·4	−0·1	+0·4	+0·7	+1·1	+ 0·5	− 4·3	− 1·0	+0·5	+0·1	−0·3	−0·3	−0·1
Year	+11·1	− 3·6	− 7·2	+ 0·2	+1·7	−1·5	+0·2	+0·4	− 9·2	− 7·8	+2·1	+ 7·0	−1·1	−2·1	+1·1	+1·4	− 0·6	− 9·0	− 5·1	−1·1	+0·5	+ 0·3	−0·8	−0·6
W.	+ 4·1	+ 1·4	− 3·3	− 1·0	+1·4	−1·4	0·0	+0·3	− 8·7	− 0·3	+0·8	+ 3·1	−0·3	−0·5	+1·4	+1·3	− 0·1	− 6·8	− 1·6	−0·1	+0·3	−0·5	−0·5	−0·6
Eq.	+14·2	− 2·8	− 8·2	− 0·2	+2·8	−1·8	−0·4	+0·2	−10·8	− 6·1	+2·0	+ 9·1	−0·9	−4·2	+1·6	+1·8	− 1·9	−10·9	− 6·0	−0·9	+0·5	+1·6	−1·2	−0·9
S.	+15·0	− 9·5	−10·0	+ 1·9	+0·9	−1·5	+0·8	+0·6	− 8·1	−17·0	+3·5	+ 8·8	−2·0	−1·6	+0·4	+1·0	+ 0·1	− 9·4	− 7·7	−2·3	+0·5	−0·1	−0·7	−0·3
													Quiet Days.											
Year	+ 9·1	− 1·9	− 6·0	+ 0·7	+2·3	−1·5	−0·1	+0·9	− 4·1	− 8·6	+3·1	+ 6·2	−2·2	−2·7	+0·9	+1·2	+ 2·7	− 1·9	− 2·9	−0·8	+1·2	+0·1	−0·7	−0·5
W.	+ 3·1	+ 0·5	− 3·6	− 0·6	+1·6	−0·9	−0·4	+0·5	− 4·5	− 1·9	+1·5	+ 3·0	−1·7	−1·1	+0·9	+1·0	+ 1·3	− 1·9	− 0·8	+0·3	+0·8	−0·4	−0·3	−0·2
Eq.	+11·2	+ 0·3	− 6·9	− 0·7	+3·5	−1·5	−0·1	+1·3	− 4·0	− 8·3	+2·8	+ 6·8	−2·2	−4·1	+1·6	+2·2	+ 3·3	− 1·8	− 2·9	−1·2	+1·5	+0·7	−1·2	−0·7
S.	+12·9	− 6·6	− 7·6	+ 3·2	+2·0	−2·0	+0·1	+0·8	− 3·9	−15·6	+5·0	+ 8·9	−2·7	−3·0	+0·3	+0·4	+ 3·6	− 2·0	− 5·0	−1·5	+1·3	+0·1	−0·5	−0·5
													Disturbed Days.											
Year	+13·7	− 7·0	− 8·7	+ 2·2	+1·0	−2·0	+0·9	0·0	−16·6	− 4·7	+1·4	+ 8·0	+0·8	−3·5	+1·5	+1·4	− 7·3	−24·9	−10·1	−0·2	+0·7	+2·1	−0·8	−2·0
W.	+ 6·3	+ 3·5	− 3·3	− 1·1	+0·8	−1·9	+0·1	+0·5	−15·1	+ 3·9	+1·5	+ 2·6	+2·8	−2·2	+2·8	+1·1	− 3·0	−19·5	− 5·8	+2·0	+0·5	+1·2	−0·4	−2·5
Eq.	+18·0	− 8·9	− 9·2	+ 5·0	+2·8	−1·7	+0·2	−1·8	−18·6	+ 1·2	+2·7	+11·1	+1·0	− 7·5	+0·4	+2·1	−11·9	−31·7	−10·4	+2·9	+2·3	+4·2	−1·3	−2·9
S.	+16·7	−15·6	−13·7	+ 2·9	−0·7	−2·3	+2·2	+1·2	−16·1	−19·3	−0·1	+10·2	−1·5	−0·8	+1·4	+1·1	− 7·1	−23·3	−14·1	−5·4	−0·6	+0·8	−0·6	−0·5

HARMONIC COMPONENTS OF THE DIURNAL INEQUALITY.

Values of c_n, α_n in the series $\Sigma c_n \sin (15nT^\circ + \alpha_n)$, T being Mean Local Time reckoned in hours from midnight.

268. Eskdalemuir. **1922.**

Month and Season.	North Component.								West Component.								Vertical Component.							
	c_1.	α_1.	c_2.	α_2.	α_3.	α_3.	c_4.	α_4.	c_1.	α_1.	c_2.	α_2.	c_3.	α_3.	c_4.	α_4.	c_1.	α_1.	c_2.	α_2.	c_3.	α_3.	c_4.	α_4.
													"*All*" *Days.*											
	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°
Jan.	3·2	51·8	2·4	251·8	2·2	140·1	0·9	44·8	9·7	264·7	1·9	342·8	2·1	205·5	1·7	68·6	8·2	182·0	2·2	270·8	0·9	130·5	1·2	199·8
Feb.	4·7	79·7	2·6	255·2	1·6	148·7	0·5	261·9	11·7	277·3	3·1	43·9	1·2	29·2	3·0	58·5	9·1	179·5	1·4	259·4	0·2	177·1	0·8	242·9
Mar.	11·0	97·0	7·9	250·7	4·0	132·1	0·7	228·8	12·5	250·2	10·2	15·4	4·4	196·4	3·2	32·3	12·1	189·0	7·1	279·6	2·4	20·8	1·7	241·5
April	17·9	110·5	10·1	271·0	3·5	100·2	0·5	35·3	14·2	228·4	10·4	10·1	4·6	190·1	1·8	94·9	12·6	182·3	7·2	244·0	1·6	341·7	2·0	252·7
May	17·0	120·8	10·7	277·5	0·8	133·5	1·4	62·6	17·8	214·1	9·9	18·8	2·9	254·7	1·7	47·2	10·1	183·6	8·6	258·6	0·5	107·4	0·8	323·2
June	19·0	127·0	11·8	291·7	1·4	127·0	0·9	45·4	21·2	201·4	9·1	16·2	2·2	252·7	1·2	46·7	8·5	174·1	7·7	257·3	0·4	199·0	0·8	245·7
July	18·5	130·1	9·5	285·3	1·4	180·4	1·1	102·7	20·4	203·0	8·8	28·6	2·6	223·9	1·3	345·4	8·8	189·2	8·2	254·3	0·4	152·7	0·8	211·3
Aug.	16·6	123·4	8·9	295·7	3·8	165·0	1·1	56·5	16·4	218·9	10·3	41·0	3·0	234·7	0·8	64·6	10·4	183·0	7·7	269·6	1·3	88·9	1·3	265·3
Sept.	16·3	113·8	9·3	303·2	2·9	145·2	0·7	21·2	13·8	242·5	8·8	34·1	4·0	223·4	3·0	60·4	9·6	203·0	6·3	270·5	1·4	63·2	1·1	242·3
Oct.	13·3	89·9	7·4	270·5	3·7	150·5	1·3	293·0	10·2	259·7	8·1	18·2	4·8	198·2	2·1	47·0	10·4	201·6	4·6	282·5	2·2	49·0	1·2	253·5
Nov.	6·7	91·4	5·1	269·6	2·7	143·1	0·3	347·5	6·3	262·7	4·8	23·5	1·8	219·7	1·8	70·9	5·8	199·3	1·9	264·1	1·1	162·2	1·0	253·4
Dec.	3·6	54·3	3·8	253·6	1·3	154·1	0·5	36·6	7·3	277·6	3·5	15·4	0·4	352·8	1·3	43·9	4·4	176·3	1·1	300·8	0·3	179·7	0·3	257·6
Year	11·7	111·2	7·2	278·1	2·3	141·9	0·4	36·2	12·0	233·0	7·3	23·0	2·4	216·2	1·8	53·0	9·1	187·2	5·2	264·1	0·6	65·8	1·0	247·2
W.	4·4	74·2	3·4	259·5	1·9	145·2	0·3	16·1	8·7	271·3	3·1	20·6	0·6	219·2	1·9	61·2	6·8	183·9	1·6	271·5	0·6	154·8	0·7	232·7
Eq.	14·4	104·2	8·2	274·7	3·3	131·9	0·4	312·5	12·4	243·9	9·3	18·9	4·3	201·2	2·4	54·5	11·1	193·0	6·1	267·7	1·7	29·0	1·5	247·8
S.	17·8	125·5	10·2	287·1	1·8	157·3	1·0	66·7	18·8	208·6	9·5	27·9	2·6	241·2	1·1	34·9	9·4	182·6	8·0	259·8	0·5	114·2	0·7	260·4
													Quiet Days.											
Year	9·3	105·1	6·0	282·6	2·8	131·6	0·9	3·4	9·5	208·8	7·0	33·0	3·5	228·9	1·5	50·6	3·3	128·0	3·0	261·3	1·2	95·0	0·8	249·0
W.	3·2	83·3	3·6	267·5	1·8	128·4	0·7	332·0	4·9	249·9	3·3	32·9	2·0	248·0	1·4	52·8	2·3	149·5	0·9	297·2	0·9	128·6	0·4	257·2
Eq.	11·2	91·7	6·9	270·7	3·8	123·1	1·3	7·0	9·2	209·0	7·4	28·9	4·6	218·1	2·8	49·5	3·7	121·3	3·2	254·7	1·7	76·2	1·4	252·9
S.	14·5	120·3	8·3	299·2	2·8	145·1	0·8	23·1	16·1	197·1	10·2	36·0	4·0	231·9	0·5	50·4	4·1	122·4	5·2	259·7	1·3	97·3	0·7	237·0
													Disturbed Days.											
Year	15·4	120·4	9·0	290·9	2·2	163·3	0·9	102·7	17·3	257·3	8·1	16·3	3·6	177·3	2·1	59·7	25·9	199·6	10·1	275·3	2·2	28·4	2·1	214·4
W.	7·2	63·8	3·5	257·3	2·0	166·8	0·6	26·8	15·6	287·8	3·1	36·5	3·5	138·1	3·1	81·7	19·8	192·0	6·1	295·1	1·3	30·5	2·6	202·7
Eq.	20·1	119·6	10·4	305·0	3·3	131·3	1·8	186·1	18·7	276·9	11·4	20·0	7·6	182·0	2·2	24·0	33·9	203·7	10·7	291·9	4·8	38·2	3·2	216·7
S.	22·9	136·3	14·0	288·3	2·4	205·4	2·5	73·9	25·2	223·0	10·2	6·1	1·7	249·9	1·7	64·0	24·4	200·1	15·1	255·4	1·0	330·6	0·8	244·9

SEISMOLOGICAL DIARY: INSTRUMENTS.—Two horizontal and one vertical Galitzin Seismographs, with galvanometric registration.

Lat. 55° 19′ N.
Long. 3° 12′ W.
Height above M.S.L. 242 metres.

269. Eskdalemuir. **1922.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ	Remarks.
		h. m. s.	s.	μ	μ	km.	
Jan.							
1	L	20 51 50	...	...	...	...	Greatly confused by wind and microseisms. Earlier phases could not be made out.
	M_N	21 5 39	20	14	...	...	
	F	22	...	...	...	...	
6	e P	14 24 20	...	...	...	9660	
	PR_1	14 28 10	...	...	...	...	
	S	14 35 3	...	...	...	...	
	L	14 48	...	...	...	...	
	M_N	14 53 15	38	48	...	...	
	M_N	15 4 41	18	−12	...	...	
	M_E	15 5 6	18	...	−18	...	
	M_E	15 9 34	17	...	21	...	
	F	17 20	...	...	...	...	
6	...	20 to	...	...	...	...	Slight disturbance.
		21	...	...	...	...	
7	? e	10 10	...	...	...	...	
	F	10 40	...	...	...	...	
9	i P_Z	5 17 45	...	...	...	...	From vertical record. L doubtful. Large movements between 5h. 31m. and 5h. 35m. Period of these oscillations 15 to 20 seconds.
	i $_Z$	5 24 29	...	...	...	...	
	L	5 31	...	...	...	...	
	F	6 20	...	...	...	...	
10	L	14 25	...	...	...	...	Record confused by microseisms.
	F	15	...	...	...	...	
17	i P_Z	4 1 49	...	...	...	8020	Greatly confused by microseisms. L irregular and time of commencement uncertain.
	i S	4 11 10	...	...	...	...	
	L	?	...	...	...	...	
	F	6	...	...	...	...	
19	...	22 30 to	...	...	...	...	No time marks. L. fairly well developed, but confused by microseisms.
20		0 20	...	...	...	...	
22	...	4 35 to	...	...	...	...	
		5 5	...	...	...	...	
26	L	10 6	...	...	...	...	Initial phases masked by microseisms. Record failed during disturbance.
	M_E	10 13·5	18	...	6	...	
	F	...	...	...	...	...	
31	e P	13 28 51	...	...	...	8070	
	i S	13 38 17	...	...	...	...	
	? SR_1	13 43 36	...	...	...	...	
	? SR_2	13 46 26	...	...	...	...	Well marked groups of waves of smaller amplitude appeared at intervals until 16h. 20m.
	L	13 52	...	...	...	...	
	M_N	13 55 51	23	135	...	...	
	F	17 15	...	...	...	...	
Feb.							
2	...	4 to	...	...	...	...	Slight disturbance
		5	...	...	...	...	
5	L	4 36	...	...	...	...	Group of waves of low amplitude.
	F	5 5	...	...	...	...	
10	e	0 9 30	...	...	...	...	Feebly developed disturbance.
	L	0 25	...	...	...	...	
	F	1	...	...	...	...	
14	? e	12 12 38	...	...	...	...	
	L	12 16 28	...	...	...	...	
	M_N	12 18 24	16	3	...	...	
	F	12 25	...	...	...	...	
14	e	12 27 28	...	...	...	...	
	L	12 31	...	...	...	...	
	M_E	12 32 40	16	...	4	...	
	M_N	12 33 29	15	6	...	...	
	F	12 45	...	...	...	...	
14	e	13 9	...	...	...	...	
	L	13 22 28	...	...	...	...	
	M_E	13 43	24	...	7	...	
	M_N	13 57	18	4	...	...	
	F	14 35	...	...	...	...	
15	L	9 30	...	...	...	...	
	F	10 15	...	...	...	...	
15	...	15 48 to	...	...	...	...	Slight disturbance.
		16 8	...	...	...	...	
Feb.							
16	e (?P)	2 55 13	...	...	...	(1850)	
	e (?S)	2 58 23	...	...	...	...	
	L	2 59	...	...	...	...	L irregular.
	F	3 20	...	...	...	...	
16	e (?S)	3 36 8	...	...	...	...	
	L	3 47	...	...	...	...	
	M_E	3 58 / 59	19	...	12	...	
	F	5	...	...	...	...	
27	L	21 29	...	...	...	...	Small disturbance confused by microseisms.
	F	22	...	...	...	...	
Mar.							
2	...	10 16 to	...	...	...	...	Group of small waves.
		10 21	...	...	...	...	
2	L	15 4	...	...	...	...	Small disturbance.
	F	15 25	...	...	...	...	
4	i P	13 18 31	...	...	...	7570	L phase very irregular and time could not be assigned.
	i S	13 27 29	...	...	...	...	
	F	14 45	...	...	...	...	
7	...	23 35 to	...	...	...	...	Trace of slight disturbance, confused by microseisms.
		24	...	...	...	...	
8	e	17 45	...	...	...	...	
	L	17 48	...	...	...	...	
	F	18 2	...	...	...	...	
10	? e	11 43	...	...	...	...	
	L	11 55	...	...	...	...	
	M_N	12 2 4	19	9	...	...	
	F	12 40	...	...	...	...	
10	i_N	17 11 9	...	...	...	...	
	i_N	17 14 36	...	...	...	...	
	i_N	17 20 32	...	...	...	...	
	? i_E	17 32 49	...	...	...	...	
	? i_E	17 36 26	...	...	...	...	
	F	18 30	...	...	...	...	
12	e	17 11 12	...	...	...	...	
	e	17 20 37	...	...	...	...	
	e	17 26 37	...	...	...	...	
	L	17 40	...	...	...	...	
	M_N	17 55 33	20	−19	...	...	
	F	19 30	...	...	...	...	
15	L	3 44	...	...	...	...	Faint disturbance.
	F	4 10	...	...	...	...	
21	? e	17 11	...	...	...	...	
	L	17 20	...	...	...	...	
	F	17 45	...	...	...	...	
24	e P	12 26 30	...	...	...	2120	
	e S	12 30 4	...	...	...	...	
	L	12 31 28	...	...	...	...	L irregular and commencement not well defined.
	M_N	12 35 5	11	− 9	...	...	
	M_E	12 35 5	12	...	15	...	
	F	13 15	...	...	...	...	
28	e P	4 11 7	...	...	...	9230	
	P R	4 14 44	...	...	...	...	
	i S	4 21 29	...	...	...	...	
	i_N	4 22 1	...	...	...	...	
	i_N	4 23 26	...	...	...	...	Time for L could not be assigned.
	? SR	4 28 41	...	...	...	...	
	M_N	4 38 7	28	22	...	...	
	F	6	...	...	...	...	
29	L	8 22	...	...	...	...	
	F	8 50	...	...	...	...	
31	e	10 42	...	...	...	...	
	F	10 55	...	...	...	...	

SEISMOLOGICAL DIARY : INSTRUMENTS.—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration—*continued.*

Lat. 55° 19′ N.
Long. 3° 12′ W.
Height above M.S.L. 242 metres.

269. Eskdalemuir. **1922.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes.		Δ.	Remarks.
				A_N.	A_E.		
April		h. m. s.	s.	μ	μ	km.	
2	L	17 38	16	...	1	...	
	F	18 5	...	...	...	...	
2	P_N	19 29 3	...	...	...	7850	
	S	19 38 15	...	...	...	...	
	L_E	19 48·5	...	...	...	...	
	L_N	19 52	...	...	...	...	
	M_N	20 0 58	20	17	...	...	
	M_E	20 1 14	20	...	17	...	
	L	21 50	...	...	...	...	
	F	22 30	...	...	...	...	
6	e	3 37	...	...	...	...	
	L	3 57	...	...	...	...	
	M_E	4 4	20	...	2	...	
	F	4 45	...	...	...	...	
6	e	8 24 47	...	...	...	...	
	L	8 46	...	...	...	...	
	F	9 35	...	...	...	...	
7	? e	16 22	...	...	...	...	
	L	16 40	...	...	...	...	
	M_E	16 47 52	21	...	6	...	
	M_N	16 55 28	16	−10	...	...	
	M_E	16 55 18	16	...	4	...	
	F	17 30	...	...	...	...	
8	e	3 59	...	...	...	...	
	L	4 25	...	...	...	...	
	F	5 10	...	...	...	...	
8	...	11 20 to 11 30	...	...	...	...	Very slight disturbance.
8	O	20 42 15	...	...	...	1910	Jan Mayen.
	i P_N	20 46 17	...	...	...	...	
	S	20 49 32	...	...	...	...	
	L	20 50 47	...	...	...	...	
	M_N*	20 51 22	20	120	...	...	* Record partially off sheet. Time and amplitude approximate.
	F	22 30	...	...	...	...	
8	L	23 39	...	...	...	...	
9	F	0 25	...	...	...	...	
9	? e L	13 26	...	...	...	...	Very feeble.
	F	13 38	...	...	...	...	
10	e	4 55	...	...	...	...	Very feeble.
	F	6 0	...	...	...	...	
11	e $_N$	0 40 44	...	...	...	...	Apparently a distant earthquake.
	e $_N$	0 50 46	...	...	...	...	
	? e S	0 59	...	...	...	...	
	L	1 26	...	...	...	...	
	M_N	1 44	19	4	...	...	
	F	3 0	...	...	...	...	
11	? e	4 40 51	...	...	...	...	
	e (?S)	4 43 56	...	...	...	...	
	L	4 46	...	...	...	...	
	M_E	4 48 1	21	...	9	...	
	F	5 15	...	...	...	...	
11	L	8 17	...	...	...	...	Very feeble.
	F	9	...	...	...	...	
11	L	17	...	...	...	...	Very feeble.
	F	18	...	...	...	...	
16	L	13 41	...	...	...	...	Record badly confused by wind effects.
	M_N	13 51 17	15	−11	...	...	
	F	14 15	...	...	...	...	
23	? e	22 3	...	...	...	...	
	L	22 16	...	...	...	...	
	M_E	22 24 53	24	...	8	...	
	M_N	22 25 5	22	7	...	...	
	F	23	...	...	...	...	
April		h. m. s.	s.	μ	μ	km.	
25	e_N	21 41 12	...	...	...	...	
	e	21 58 5	...	...	...	...	
	L	22 24	...	...	...	...	
	M_E	22 44 14	20	...	5	...	
	M_N	22 44 56	20	6	...	...	
	M_E	22 53 22	18	...	−4	...	
	M_N	23 5 7	18	4	...	...	
	M_E	23 8 44	17	...	−6	...	
	M_E	23 19 42	17	...	4	...	
26	F	0 40	...	...	...	...	
26	? e	1 22·6	...	...	...	...	
	e	1 25·9	...	...	...	...	
	e	1 34 10	...	...	...	...	
	e	1 39 52	...	...	...	...	
	L	1 50	...	...	...	...	
	M_N	4 2 56	19	5	...	...	
	M_E	2 5 6	20	...	−5	...	
	F	2 40	...	...	...	...	
26	e P	4 11 3	...	...	...	8600	
	e	4 17 2	...	...	...	...	
	i S	4 20 54	...	...	...	...	
	i	4 26 52	...	...	...	...	
	L	4 37	...	...	...	...	
	M_E	4 50 56	19	...	−7	...	
	M_N	4 51 49	16	8	...	...	
	M_E	4 54 19	16	...	−7	...	
	M_E	4 56 23	20	...	7	...	
	M_N	4 56 45	17	8	...	...	
	M_N	5 0 7	17	9	...	...	
	M_E	5 5 42	17	...	8	...	
	F	7 30	...	...	...	...	
28	L	8 3	...	...	...	...	Slight. Confused by wind effects.
	F	8 35	...	...	...	...	
30	L	23 3	...	...	...	...	
	F	23 30	...	...	...	...	
May							
1	L	11 40	...	...	...	...	Very slight.
	F	12 5	...	...	...	...	
1	L	13 13	...	...	...	...	Very slight.
	F	14 2	...	...	...	...	
2	e	11 33	...	...	...	...	
	L	11 49	...	...	...	...	
	M_N	11 55 38	23	20	...	...	
	M_E	11 55 38	23	...	−19	...	L phase well developed.
	M_N	12 1 13	20	17	...	...	
	F	13	...	...	...	...	
3	e	4 21 30	...	...	...	...	
	L	4 36	...	...	...	...	
	M_E	4 47 30	18	...	2	...	
	F	5 45	...	...	...	...	
4	O	9 12 58	...	...	...	8510	
	i P	9 24 46	...	...	...	...	Disturbed by wind and microseismic effects.
	? PR_1	9 27 40	...	...	...	...	
	i S_E	9 34 32	...	...	...	...	
	? SR_1	9 39 45	...	...	...	...	
	L_E	9 46	...	...	...	...	
	L_N	9 49	...	...	...	...	
	M_E	9 56 42	23	...	−9	...	
	M_N	10 2 25	18	−7	...	...	
	M_E	10 9 12	16	...	−8	...	
	M_N	10 17 40	19	7	...	...	
	F	11 30	...	...	...	...	
5	...	Between 1 and 2	...	...	...	...	Some long waves. Confused by microseisms and wind.
6	? e	12 41	...	...	...	...	
	L	13	...	...	...	...	
	F	13 35	...	...	...	...	

SEISMOLOGICAL DIARY: INSTRUMENTS.—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration —*continued.*

Lat. 55° 19′ N.
Long. 3° 12′ W.
Height above M.S.L. 242 metres.

269. Eskdalemuir. **1922.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ.	Remarks.
		h. m. s.	s.	μ	μ	km.	
May							
9	e_E	14 10 13	...	...	...	...	
	i_E	14 15 46	...	...	...	...	
	i	14 16 59	...	...	...	...	
	? S	14 20	...	...	...	...	
	L	14 42	...	...	...	...	
	F	15 20	...	...	...	...	
11	e	1 15	...	...	...	...	
	L	1 38	...	...	...	...	
	F	2 35	...	...	...	...	
11	e P	6 55 55	...	...	...	6860	
	S_N	7 4 17	...	...	...	...	
	S_E	7 4 13	...	...	...	...	
	L	7 14	...	...	...	...	
	M_N	7 20 9	20	5	...	...	
	M_E	7 20 13	19	...	16	...	
	F	8 20	...	...	...	...	
11	e	9 34 50	...	...	...	...	
	? e	9 46 29	...	...	...	...	
	L	10 20	...	...	...	...	
	F	12	...	...	...	...	
12	P_N	18 59 9	...	...	...	...	
	i_N	19 2 31	...	...	...	...	
	i_E	19 12 44	...	...	...	...	
	i	19 21 41	...	...	...	...	
	L	?19 40	...	...	...	...	
	M_E	20 4 28	20	...	6	...	
	M_N	20 5 8	19	− 7	...	...	Regular sinusoidal waves.
	M_N	20 9 18	19	7	...	...	
	M_E	20 18 24	18	...	7	...	
	F		...	...	...	...	
15	L	21 2	...	...	...	...	Earlier phases masked by wind disturbance.
	M_E	21 13 50	20	...	5	...	
	F	21 45	...	...	...	...	
16	L	8 50	...	...	...	...	
	M_N	9 7	17	6	...	...	
21	...	1 9 to	...	...	...	...	A few waves of small amplitude; period 16 seconds.
	...	1 16	...	...	...	...	
21	L	6 2	...	...	...	...	
	F	6 40	...	...	...	...	
21	e	16 6	...	...	...	...	
	e	16 8 8	...	...	...	...	
	L	16 26	...	...	...	...	
	M	16 {42 43	20	2	2	...	
	F	17 30	...	...	...	...	
22	? e	18 3	...	...	...	...	
	L	18 46	...	...	...	...	
	M_N	18 53 20	23	9	...	...	
	M_E	18 54 14	20	...	9	...	
	M_N	19 1 40	16	15	...	...	
	M_E	19 1 35	17	...	− 6	...	
	F	20	...	...	...	...	
28	L	1 15	...	...	...	...	Small waves of about 20 seconds period.
	F	2 30	...	...	...	...	
28	L	5 34	...	...	...	...	Small waves: period 16–20 seconds.
	F	6 50	...	...	...	...	
28	L	15 41	...	...	...	...	
	F	15 52	...	...	...	...	
June							
	L	17 3	...	...	...	...	
	F	17 25	...	...	...	...	
2	? e	20 30 5	...	...	...	...	Remainder of record defective. Evidence of maximum of period 19 seconds, amplitude 12μ, on N-S component.
	e	20 30 34	...	...	...	...	
	e (? S)	20 37 48	...	...	...	...	
	L	21 2	...	...	...	...	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ.	Remarks.
		h. m. s.	s.	μ	μ	km.	
June							
24	L	17 24	...	...	...	...	
	F	17 50	...	...	...	...	
27	e	14 54 38	...	...	...	...	
	i	14 55 58	...	...	...	...	
	L	15 24	...	...	...	...	
	M_N	15 36 45	22	5	...	...	
	F	16 30	...	...	...	...	N.B.—Owing to failure of recording drum clockwork, many records were defective during June.
July							
2	i P	13 47 1	...	...	...	7780	
	P R_E	13 51 32	...	...	...	...	
	S	13 56 10	...	...	...	...	
	S R	14 1 22	...	...	...	...	
	L	14 9	...	...	...	...	
	M_N	14 11 16	32	−56	...	...	Well-developed L phase.
	M_N	14 15 54	24	78	...	...	
	M_N	14 17 21	20	40	...	...	
	M_N	14 22 47	20	−22	...	...	
	F	17 30	...	...	...	...	
3	e (?S)	5 52 35	...	...	...	...	
	L	6 13	...	...	...	...	
	F	7 10	...	...	...	...	
5	...	21 8 to	...	...	...	...	Trace of small waves.
		21 35	...	...	...	...	
10	e_Z	9 50 10	...	...	...	...	
	e_Z	9 52 18	...	...	...	...	L phase confused by wind tremors.
	e_E	9 53 52	...	...	...	...	
	i (?S)	9 59 42	...	...	...	...	
	F	10 35	...	...	...	...	
11	e	14 36 48	...	...	...	...	
	e	14 39 2	...	...	...	...	
	e (?S)	14 44 17	...	...	...	...	L phase feeble.
	e (?L)	14 52	...	...	...	...	
12	L	5 25	...	...	...	...	A very few waves of period 20 to 25 seconds and small amplitude.
	F	5 35	...	...	...	...	
13	...	2 45 to	...	...	...	...	Slight disturbance.
		3 10	...	...	...	...	
13	e	5 23 30	...	...	...	...	
	? e	5 31 45	...	...	...	...	
	e	5 36 30	...	...	...	...	
	L	5 47	...	...	...	...	
	M_N	5 55 55	22	12	...	...	
	M_E	5 56 25	23	...	12	...	
	F	6 40	...	...	...	...	
13	L	21 57	...	...	...	...	
	F	22 15	...	...	...	...	
9	? e	13 18 20	...	...	...	...	
	L	13 37	...	...	...	...	
	M	13 {42 44	25–26	9	9	...	
	F	14 10	...	...	...	...	
22	...	13 27 to	...	...	...	...	Feeble disturbance.
		13 43	...	...	...	...	
22	e P_Z	10 32 39	...	...	...	2870	P very indistinct.
	e S	10 37 13	...	...	...	...	
	L	10 41	...	...	...	...	
	M_S	10 42 39	23	− 7	...	...	
	M_E	10 42 41	20	...	− 4	...	
	M_S	10 45 45	17	4	...	...	
	M_E	10 45 47	17	...	− 4	...	
	F	17 30	...	...	...	...	
24	...	1 0 to	...	...	...	...	Slight disturbance.
		1 30	...	...	...	...	
26	L	6 44	12–15	1	1	...	
	F	7	...	...	...	...	

SEISMOLOGICAL DIARY: INSTRUMENTS.—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration—*continued.*

Lat. 55° 19′ N.
Long. 3° 12′ W.
Height above M.S.L. 242 metres.

269. Eskdalemuir. **1922.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ.	Remarks.
		h. m. s.	s.	μ	μ	km.	
July							
28	L	8 50	...	...	...	...	
	F	9 10	...	...	...	...	
28	e	23 56 4	...	...	...	...	
	L	23 57 45	...	...	...	...	
29	F	0 20	...	...	...	...	
Aug.							
5	e	4 26	...	...	...	...	Very feeble.
	F	5	...	...	...	...	
6	? e_z	1 8	...	...	...	...	
	e_E	1 18 35	...	...	...	...	
	L	1 38	...	...	...	...	
	M_N	1 51, 52	17	2	...	...	
	M_E	1 53, 54	16	...	2	...	
	F	2 30	...	...	...	...	
6	L	6 56	...	...	...	...	
	F	7 25	...	...	...	...	
7	e_E(?P)	12 43	...	...	...	...	
	e	12 45 36	...	...	...	...	
	e	12 48 26	...	...	...	...	
	e	12 52 46	...	...	...	...	Long waves feebly developed
	L	13 25	...	...	...	...	
	F	14 10	...	...	...	...	
8	P	3 54 42	...	...	...	2800	
	S	3 59 10	...	...	...	...	
	L	4 1 48	...	...	...	...	
	M	4 6, 7	...	...	...	...	Maximum irregular.
	F	4 30	...	...	...	...	
10	L	6 17	...	...	...	...	Very feeble.
	F	6 40	...	...	...	...	
11	P	8 25 30	...	...	...	...	
	S	8 30 24	...	...	...	...	P masked by a non-seismic movement.
	L	8 33	...	...	...	...	
	M_N	8 36 4	21	−69	...	...	
	M_E	8 36 5	21	...	−45	...	
	M_E	8 40 13	16	...	−22	...	
	M_N	8 40 18	16	−28	...	...	
	F	10 30	...	...	...	...	
11	e P	13 49 16	...	...	...	7660	
	S	13 58 19	...	...	...	...	
	e	14 3	...	...	...	...	
	L	14 10 20	...	...	...	...	
	M_N	14 14 29	22	3	...	...	
	M_E	14 16 6	21	...	− 3	...	
	M_E	14 33 18	18	...	2	...	
	M_N	14 39 23	17	2	...	...	
	F	15 20	...	...	...	...	
13	e P	0 15 57	...	...	...	2960	
	i S	0 20 37	...	...	...	...	
	L	0 23	...	...	...	...	
	M_N	0 24 15	35	180	...	...	Long waves well marked on V component. E-W record too faint for measurement of earlier maxima.
	M_N	0 25 57	25	−167	...	...	
	M_N	0 27 12	18	86	...	...	
	M_E	0 33 3	16	...	33	...	
	M_N	0 33 47	14	41	...	...	
	F	2 30	...	...	...	...	
13	L	3	...	...	...	...	
	F	4	...	...	...	...	
13	e_z	12 53	...	...	...	...	
	e	12 56 55	...	...	...	...	
	L	13	...	...	...	...	
	M_N	13 2 35	23	−18	...	...	
	M_E	13 2 37	22	...	−10	...	
	F	13 35	...	...	...	...	
14	i_E	11 51 36	...	...	...	...	
	i	11 54 20	...	...	...	...	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ.	Remarks.
		h. m. s.	s.	μ	μ	km.	
Aug.							
14	e (? S)	12 0 6	...	...	...	...	
	e_E	12 3 16	...	...	...	...	L imperceptible.
	F	12 50	...	...	...	...	
14	...	21 37	...	...	...	...	Traces of very feebly developed waves.
		22	...	...	...	...	
15	e_E	15 3	...	...	...	...	No other phases discernible.
16	i P	16 7 46	...	—	—	7840	
	S	16 16 58	...	...	...	...	
	S R	16 22 30	...	...	...	...	
	L	16 31	...	...	...	...	On E-W component movement resembling commencement of L occurs at 16 h. 27 m.
	M_E	16 35 43	24	...	12	...	
	M_N	16 36 35	20	11	...	...	
	M_E	16 38 44	22	...	−13	...	
	M_N	16 38 50	23	−16	...	...	
	M_E	16 40 57	22	...	14	...	
	M_N	16 43 20	20	14	...	...	
	M_N	16 48 44	16	18	...	...	
	M_N	16 59 10	20	−26	...	...	
	M_E	17 1 10	19	...	10	...	
	M_N	17 4 4	18	−11	...	...	
18	...	5 53 to 6 10	...	...	...	...	Very feeble disturbance.
18	L	20 29	...	...	...	...	
	F	21 5	...	...	...	...	
21	...	20 5 to 20 50	...	...	...	...	Feeble disturbance.
25	O	11 47 20	...	...	...	2170	
	i P_N	11 51 51	...	...	...	...	
	e S_E	11 55 29	...	...	...	...	
	L	11 56 30	...	...	...	...	L phase poorly developed on N-S component.
	M_E	11 58 14	15	...	— 7	...	
	F	12 10	...	...	...	...	
25	L	12 50	...	...	...	...	
	M_E	13 3, 4	22	...	3	...	
	M_N	13 8, 9	20	3	...	...	
	F	13 30	...	...	...	...	
25	i P_z	19 39 3	...	...	...	5900	
	e P_N	19 39 3	...	+	...	...	
	e P_E	19 39 3	...	...	+	...	
	S	19 46 34	...	...	...	...	
	S R_1	19 50 35	...	...	...	...	
	L	19 54	...	...	...	...	
	M_N	19 58 16	25	16	...	...	
	M_E	19 58 52	24	...	18	...	
	M_N	20 1 43	20	14	...	...	
	M_N	20 4 3	16	−13	...	...	
	M_E	20 4 20	14	...	15	...	
	F	21	...	...	...	...	
26	L	3 18	28	...	2	...	
	F	3 40	...	...	...	...	
26	L	7 47	16–20	1	1	...	
	F	8 40	...	...	...	...	
29	e	3 42 23	...	...	...	...	
	e	3 47 15	...	...	...	...	
	M	3 56, 57	14	1	1	...	
	F	4 10	...	...	...	...	
29	c_z	17 18, 19	...	...	...	...	
	e (S)	17 25 30	...	...	...	...	Distant earthquake. Δ probably about 10,500 km.
	L	17 46	...	...	...	...	
	M_N	17 54 1	25	16	...	...	
	M_E	17 54 31	26	...	−30	...	
	M_E	17 58 16	22	...	18	...	
	M_N	17 58 28	21	16	...	...	
	M_E	18 4 12	18	...	−13	...	
	M_E	18 4 19	19	23	...	...	

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Height above M.S.L. 242 metres.

269. Eskdalemuir. **1922.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ.	Remarks.
Aug.		h. m. s.	s.	μ	μ	km.	
	M_E	18 5 10	18	...	−14	...	
	M_N	18 5 10	17	−19	...	...	
	F	19 40	...	...	...	...	
30	L	11 17	...	...	...	...	
	F	11 50	...	...	...	...	
30	L	23 19	20	1	...	...	
	F	23 45	...	...	...	...	
Sept.							
1	e_E	13 8 8	...	...	...	...	
	L	13 15	...	...	...	...	
	F	13 35	...	...	...	...	
1	i P	19 28 54	...	...	...	9690	From initial displacements azimuth of epicentre is 53 or 54° E of N or W of S. No vertical record.
	P R_1	19 32 24	...	...	...	...	
	P R	19 35 52	...	...	...	...	
	? P S	19 38 48	...	...	...	...	
	i	19 39 22	...	...	...	...	
	S	19 39 38	...	...	...	...	(Destructive earthquake in N. Formosa.)
	i	19 40 59	...	...	...	...	
	S R_1	19 45 34	...	...	...	...	
	M	19 46 52	35	79	...	...	
	S R_2	19 49 34	...	...	...	...	
	L	19 55 30	...	...	...	...	
	M_N	20 1 49	32	190	...	...	
	M_E	20 2 43	30	...	166	...	
	M_N	20 3 44	26	135	...	...	
	M_N	20 12 49	18	98	...	...	
	M_E	20 13 4	19	...	86	...	
	M_N	20 14 49	18	80	...	...	
	M_N	20 17 7	18	63	...	...	
	F	23 45	...	...	...	...	
2	L	11 46	...	...	...	...	Very feeble.
	F	11 55	...	...	...	...	
2	e	17 50	...	...	...	...	
	L	18 16	...	...	...	...	
	F	18 55	...	...	...	...	
2	L	21 38	...	...	...	...	Very feeble.
	F	23 30	...	...	...	...	
3	e	2 58	...	...	...	...	
	e	3 23	...	...	...	...	Very feeble.
	L	4 2	...	...	...	...	
	F	4 15	...	...	...	...	
5	L	4 3	...	...	...	...	Very feeble.
	F	4 50	...	...	...	...	
5	e	16 9	...	...	...	...	Very feeble.
	F	16 14	...	...	...	...	
6	L	22 53	...	...	...	...	
	M	23 {0 1	22–24	6	8	...	
	M	23 {4 5	17	4	2	...	
	F	23 30	...	...	...	...	
7	...	20 42 to 20 49	...	...	...	...	Trace of very feeble long waves.
8	e	6 8 55	...	...	...	...	
	e	6 15 36	...	...	...	...	
	e	6 18 54	...	...	...	...	
	L	6 20 30	...	...	...	...	
	F	6 45	...	...	...	...	
8	e_E	14 26 30	...	...	...	...	
	L	14 53	16	...	2	...	
	F	15 45	...	...	...	...	
11	i_E	13 1 2	...	...	...	...	i very well marked. Trace of disturbance, 13 h. 19 m. —13 h. 25 m. and an exceedingly faint trace of long waves about 13 h. 40 m.

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ.	Remarks.
Sept.		h. m. s.	s.	μ	μ	km.	
11	e	15 2	...	...	...	...	
	e	15 12 30	...	...	...	...	
	L	15 36	...	...	...	...	
	F	16 30	...	...	...	...	
11	L	21 19	...	...	...	...	Very feeble.
	F	21 40	...	...	...	...	
11	L	22	...	...	...	...	Very feeble.
	F	22 30	...	...	...	...	
12	? e	11 56	...	...	...	...	
	L	12 16	...	...	...	...	Feeble and confused by wind disturbance.
	F	13	...	...	...	...	
14	e P_E	19 44 30	...	...	...	(9500)	
	S	19 55 8	...	...	...	...	
	S R_1	20 1	...	...	...	...	The movements associated with S R_1 and S R_2 are very similar in form to those associated with these phases in the record of the Formosan earthquake of September 1st, 1922.
	S R_2	20 4 30	...	...	...	...	
	M_N	20 5 51	25	13	...	...	
	L	20 13	...	...	...	...	
	M_N	20 19 5	26	45	...	...	
	M_E	20 19 21	25	...	39	...	
	F	22	...	...	...	...	
16	e (? S)	23 8 34	...	...	...	...	
	e (? S R_1)	23 14 24	...	...	...	...	
	L	23 24	...	...	...	...	
	M_N	23 32 42	24	42	...	...	
	M_E	23 32 51	24	...	49	...	
	M_E	23 40 9	18	...	−20	...	
	M_N	23 40 58	19	18	...	...	
17	F	0 15	...	...	...	...	
17	? e	7 46	...	...	...	...	
	L	8 7	...	...	...	...	Confused by microseisms and wind disturbance.
	M_N	8 19 5	18	25	...	...	
	L	8 38	...	...	...	...	
	F	9 5	...	...	...	...	
17	e	10 22 35	...	...	...	...	Microseism and wind disturbances: identification of phases difficult. The first e resembles S, and the wave movement associated with the second and third e, together with time interval between, suggest that epicentre may be same as on September 14th, 1922.
	e	10 29	...	...	...	...	
	e	10 33	...	...	...	...	
	L	10 43	...	...	...	...	
	M_E	10 54 50	20	...	19	...	
	M_N	10 55 40	17	−34	...	...	
	F	11 30	...	...	...	...	
17	e	22 47	...	...	...	...	
	L	22 53	17	2	...	...	
	F	23 5	...	...	...	...	
18	e_E	6 43 30	...	...	...	...	
	e_E	6 49 30	...	...	...	...	
	e (L)	7 3 30	...	...	...	...	
	M_N	7 {16 17	16	3	...	...	
	F	7 35	...	...	...	...	
22	e	18 28	...	...	...	...	
	F	18 40	...	...	...	...	Extremely feeble.
22	e	21 39 27	...	...	...	...	
	e	21 42 25	...	...	...	...	
	F	22 25	...	...	...	...	
23	...	1 1	...	...	...	...	Exceedingly feeble trace of movement on E W component.
24	e_E	12 33 45	...	...	...	...	? Two shocks. Intervals 12h. 33m. 45s. to 12h. 37m. 19s. and 12h. 39m. 56s. to 12h. 43m. 29s. are 3m. 34s. and 3m. 33s. and if the phases are regarded as P and S Δ = 2120 km. (circa), at 12h. 30m. 56s. occurred, is the wave movement starting at 12h. 38m.
	i_E	12 37 19	...	...	...	...	
	L_E	12 38	...	...	...	...	
	i_E	12 39 56	...	...	...	...	
	i_N	12 43 29	...	...	...	...	
	L_E	12 44	...	...	...	...	
	M_E	12 45 30	17	...	3	...	
	M_N	12 48 46	10	2	...	...	
	F	13 10	...	...	...	...	

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Long. 3° 12′ W.
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Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ.	Remarks.
		h. m. s.	s.	μ	μ	km.	
Sept. 28	L	22 48	...	...	...	...	
	M_N	22 52 6	20	5	...	...	Earlier phases masked by microseism and wind disturbance.
	M_E	22 52 8	20	...	−6	...	
	M_N	22 55 23	16	3	...	...	
	F	23 30	...	...	...	...	
29	e	19 5 35	...	...	...	...	
	L	19 10	...	...	...	...	
	M_E	19 13 57	20	...	12	...	Record failed before termination of disturbance.
	M_N	19 45 7	20	19	...	...	
	F	...	...	...	...	...	
Oct. 3	...	12 58 to	...	...	...	...	Very slight disturbance.
		13 10	...	...	...	...	
3	...	22 36 to	...	...	...	...	Very slight disturbance.
		22 39	...	...	...	...	
4	...	1 2 to	...	...	...	...	A few feebly developed waves.
		1 6	...	...	...	...	
4	L_E	14 33	15–16	...	...	...	Very feeble.
	F	14 37	...	...	...	...	
5	e	5 38 48	...	...	...	...	
	e	5 42 8	...	...	...	...	
	L	6 2	...	...	...	...	
	F	6 45	...	...	...	...	
6	? e_Z	5 39 4	...	...	...	...	
	i	5 46 50	...	...	...	...	
	L	5 58	...	...	...	...	L poorly developed.
	F	6 15	...	...	...	...	
6	...	19 48 to	...	...	...	...	Very feeble disturbance.
		20 10	...	...	...	...	Phases indiscernible.
7	...	0 58 to	...	...	...	...	Very feeble disturbance.
		1 30	...	...	...	...	Phases indiscernible.
7	...	14 30 to	...	...	...	...	Very feeble disturbance.
		14 50	...	...	...	...	
8	...	17 0 to	...	...	...	...	Very feeble disturbance.
		17 45	...	...	...	...	
9	...	9 25 to	...	...	...	...	Feebly developed long waves.
		9 36	...	...	...	...	No record during earlier phases.
11	P	15 2 52	...	+	+	9410	
	PR_1	15 6 36	...	...	...	...	Azimuth about 20° S. of W.
	PR_2	15 8 36	...	...	...	...	
	S	15 13 23	...	...	...	...	
	L	15 28	...	...	...	...	
	M_N	15 35 29	35	−84	...	...	
	M_N	15 38 29	22	−38	...	...	
	M_E	15 38 43	23	...	59	...	
	M_E	15 41 51	20	...	44	...	
	M_N	15 42 26	18	37	...	...	
	F	17 30	...	...	...	...	
14	e	0 38 31	...	...	...	...	
	L	1 0	22–20	2	2	...	
	F	1 35 0	...	...	...	...	
14	e P	23 59 45	...	...	...	...	
15	e S	0 10	...	...	...	9090	
	SR_1	0 16	...	...	...	...	
	SR_2	0 20	...	...	...	...	Form of SR_1 and SR_2 movements similar to those of corresponding phases of earthquake of September 14th, 1922.
	L	0 29	...	...	...	...	
	M_N	0 34 44	24	29	...	...	
	M_E	0 34 49	24	...	−32	...	
	M_N	0 39 52	18	−40	...	...	
	F	2 30	...	...	...	...	
16	L	3 2	15	1	1	...	
	F	3 18	...	...	...	...	
16	L	4 43	...	...	...	...	
	F	5 0	...	...	...	...	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ.	Remarks.
Oct.		h. m. s.	s.	μ	μ	km.	
16	i P_E	16 11 46	...	...	...	...	
	PR_2	16 15 15	...	...	...	...	
	e S	16 20 2	...	...	...	...	S not well marked.
	L	16 29 30	...	...	...	...	L irregular.
	M_N	16 39 29	14	15	...	...	
	F	17 30	...	...	...	...	
17	...	7 to	...	...	...	...	Disturbance shown on V component record. Phases indistinct. No horizontal component records.
		8	...	...	...	...	
19	...	14 22 to	...	...	...	...	Small disturbance.
		14 37	...	...	...	...	
24	i P_N	21 32 45	...	+	+	8230	Approximate azimuth 16° E. of N. or W. of S. The former, with Δ, gives epicentre S. of Kamchatka; the latter gives 17° W., 20° S. (approx.). Recurrence of waves until 0h. 35m., 25th October.
	PR_1	21 36 10	...	...	...	.....	
	i S	21 42 16	...	...	...	...	
	L	21 57 (30)	...	...	...	...	
	F	23 30	...	...	...	...	
27	? e	14 37	...	...	...	...	
	e	14 46	...	...	...	...	
	? SR	14 56 (30)	...	...	...	...	
	L	15 6	...	...	...	...	
	M_N	15 12	23	9	...	...	
	M_E	15 12	23	...	9	...	
	M_N	15 20	16	16	...	...	
	F	16 0	...	...	...	...	
Nov. 3	...	19 0 to	...	...	...	...	Faint disturbance, confused by microseisms.
		19 20	...	...	...	...	
4	...	3 58 to	...	...	...	...	Trace of very slight disturbance.
		4 8	...	...	...	...	
4	i P	4 25 28	...	...	...	2540	
	i S	4 29 46	...	...	...	...	
	L	4 33 6	...	...	...	...	
	M_N	4 34 32	22	10	...	...	
	M_E	4 34 44	22	...	−13	...	
	M_E	4 39 44	14	...	−8	...	
	F	?	...	...	...	...	
7	e	23 18 25	...	...	...	...	Clock failed before end of disturbance.
	S	23 24 44	...	...	...	...	
	L	23 44	...	...	...	...	
	M_N	23 47	34	48	...	...	
	M_E	23 47	35	...	−35	...	
	M_N	23 56	22	26	...	...	
	M_E	23 57	22	...	−17	...	
	M_N	24 1	20	−20	...	...	
	M_E	24 1	20	...	24	...	
8	F	1 50	...	...	...	...	
8	e	23 52 31	...	...	...	...	Feeble disturbance.
	e (?L)	23 59	...	...	...	...	
9	F	0 35	...	...	...	...	
11	...	...	...	...	...	...	Great Chilean earthquake record lost; recording clocks failed shortly after 0h.
11	e	11 52	...	...	...	...	
	L	11 57	...	...	...	...	Feeble disturbance.
	F	12 40	...	...	...	...	
11	e	18 23 28	...	...	...	...	e at 18h. 23m. 28s. very faint.
	e	18 27 41	...	...	...	...	
	e	18 33 58	...	...	...	...	
	i_E	18 34 11	...	...	...	...	
	e	18 36 29	...	...	...	... ...	
	? SR	18 42 23	...	...	...	...	
	L	18 53	...	...	...	...	
	M_E	18 55 30	38	...	23	...	
	M_N	18 55 44	40	27	...	...	

SEISMOLOGICAL DIARY: INSTRUMENTS.—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration—*continued.*

Lat. 55° 19′ N.
Long. 3° 12′ W.
Height above M.S.L. 242 metres.

269. Eskdalemuir. **1922.**

Date.	Phase.	Time. G.M.T.	Period.	Amplitudes. A_N.	Amplitudes. A_E.	Δ.	Remarks.
Nov.		h. m. s.	s.	μ	μ	km.	
	M_E	19 2	28	...	14	...	
	M_N	19 5 3	21	14	...	...	
	M_E	19 5 7	21	...	9	...	
	F	21	...	...	...	...	
11	L	21 44	...	...	...	...	Feeble.
	F	22	...	...	...	...	
11	i	22 21 55	...	...	...	...	
	F	22 34	...	...	...	...	Slight disturbance.
11	...	23 20 to	...	...	...	...	Traces of waves of small
		23 25	...	...	...	...	amplitude.
12	e	0 12	...	...	...	...	Small waves, period 18
	F	0 53	...	...	...	...	seconds.
12	L	18 50	...	...	...	...	Small waves, period 18 to
	F	19 8	...	...	...	...	20 seconds.
13	? e	4	...	...	...	...	
	e (?S)	4 2 20	...	...	...	...	
	F	4 15	...	...	...	...	
13	...	4 57 to	...	...	...	...	
		5 40	...	...	...	...	Slight disturbance.
14	...	5 23 to	...	...	...	...	Slight disturbance, confused
		6 15	...	...	...	...	by microseisms.
17	e (?S)	11 27 41	...	...	...	...	
	i	11 28 36	...	...	...	...	
	? SR	11 36	...	...	...	...	
	L	11 47	...	...	...	...	
	M_N	11 49 16	40	60	...	...	
	M_E	11 49 20	36	...	−45	...	
	M_E	12 3 3	18	...	15	...	
	M_N	12 3 48	18	14	...	...	
	M_E	12 7 51	16	...	−17	...	
	F	13 30	...	...	...	...	
18	? e	19 33 10	...	...	...	...	
	L	19 40	...	...	...	...	
	M	19 45 } 46 }	22	3	4		
	F	20 10	...	...	...	...	
19	...	17 14 to	...	...	...	...	
		17 22	...	...	...	...	Slight disturbance.
20	...	4 40 to	...	...	...	...	A few waves of small
		4 47	...	...	...	...	amplitude.
20	? e	15 42	...	...	...	...	
	e	15 47	...	...	...	...	Slight disturbance.
	L	15 54	...	...	...	...	
	F	16 30	...	...	...	...	

Date.	Phase.	Time. G.M.T.	Period.	Amplitudes. A_N.	Amplitudes. A_E.	Δ.	Remarks.
Nov.		h. m. s.	s.	μ	μ	km.	
20	...	22 0 to	...	...	...	...	Traces of waves of low
		23 30	...	...	...	...	amplitude.
21	...	4 30 to	...	...	...	...	
		5 5	...	...	...	...	Feeble disturbance.
							N.B. Record lost on several occasions owing to failure of clock mechanisms.
Dec.							
2	e_E(?S)	4 10 13	...	...	...	...	
	L_E	4 27	...	...	...	...	
	M_E	4 34 39	23	...	18	...	
	M_E	4 41 59	19	...	13	...	
	F	5 10	...	...	...	...	
6	i P_E	14 4 28	...	...	+	(5380)	
	i_E	14 5 37	...	...	−	...	
	i_E(?PR_1)	14 6 30	...	...	...	...	L irregular.
	? i S_E	14 11 31	...	...	...	...	
	F	15 20	...	...	...	...	
7	...	16 to	...	...	...	...	Two disturbances. Records
		18	...	...	...	...	vitiated by defective action of clocks and time marker.
8	...	2 about	...	...	...	...	Disturbance (L only discernible). Complete failure of time marker.
8	...	22 to	...	...	...	...	
		24	...	...	...	...	Disturbance. No time marks.
14	e	23 24 26	...	...	...	...	
	e	23 41 36	...	...	...	...	
	L	23 56	...	...	...	...	
15	M_N	0 9 56	28	−12	...	...	
	F	1 30	...	...	...	...	
17	...	0 to	...	...	...	...	Disturbance. Driving clocks
		2	...	...	...	...	defective.
23	...	23 to	...	...	...	...	Trains of waves of low
24		1	...	...	...	...	amplitude confused by microseisms.
25	...	5 to	...	...	...	...	Disturbance; phases marked
		6	...	...	...	...	by microseisms.
31	e P	7 31 58	...	...	...	8550	
	i S	7 41 46	...	...	...	...	e P confused by microseisms.
	SR_1	7 47 20	...	...	...	...	
	L	7 56	...	...	...	...	
	M_N	8 5 56	20	23	...	...	
	M_E	8 7 14	20	...	28	...	
	M_E	8 9 29	18	...	25	...	
	M_N	8 9 38	18	23	...	...	
	M_N	8 10 57	18	−29	...	...	
	F	10 30	...	...	...	...	

Derived from readings, for the period of thirty minutes centering at the exact hour, Greenwich Mean Time.

270. Eskdalemuir. **1922.**

Day.	January.								February.								March.							
	0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.	
	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.
	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.
1	3·0	6·5	...	...	2·5	6	2·3	6	0·8	5	...	...	1·0	4·5	1·0	4	3·5	6·5	2·7	6	2·0	6	1·6	6
2	...	...	...	...	...	...	3·0	6	1·1	4·5	1·7	5	...	...	...	...	1·6	6	1·7	5·5	1·2	4·5	1·1	5
3	3·4	6	3·6	5·5	3·5	6	3·9	6	...	...	...	...	3·2	8	4·2	7·5	1·6	4·5	1·6	6	1·7	6	1·6	7
4	3·5	7	5·0	7	5·1	6·5	3·9	7	4·1	7·5	4·8	6	3·0	6	2·3	6	1·8	6·5	3·6	7	2·9	7·5	3·5	7·5
5	2·8	7	2·3	6	1·6	6	1·4	6	2·0	5·5	1·6	6	1·5	6	0·9	5	2·6	7·5	3·2	7·5	3·9	6	3·3	7
6	0·9	6	1·3	5·5	1·4	5·5	0·9	6·5	1·0	6	1·3	6·5	1·7	6	2·7	5·5	...	...	...	...	6·0	6·5	...	...
7	1·0	5	1·4	5·5	1·3	6·5	...	...	...	...	...	...	...	...	...	...	3·9	6	...	...	...	...	2·4	5·5
8	...	...	...	...	2·6	7·5	...	...	2·7	5	2·5	6	2·6	6	...	...	2·5	5·5	2·5	5·5	3·3	5·5	3·1	6
9	...	...	...	...	...	...	2·5	6	1·7	5·5	1·6	6	1·5	6·5	0·9	6	3·6	5	2·2	5·5	3·3	5·5	2·3	5·5
10	3·1	6	3·5	6·5	2·6	8	3·4	6	1·5	6	1·2	6	1·5	6	1·4	6	2·0	4·5	2·0	4·5	...	...	...	...
11	3·0	6·5	4·8	7·5	3·2	8	2·1	7	1·6	6·5	...	...	...	...	...	...	0·9	5	1·7	5·5	0·9	5	1·5	6
12	1·9	5	2·4	5·5	1·7	6	1·8	6	2·6	6	...	...	1·6	6·5	...	...	1·6	5·5	2·1	6·5	2·4	6·5	...	...
13	2·5	6	2·1	5·5	1·5	6·5	2·1	6·5	1·5	6·5	...	...	1·6	6	1·9	6	...	...	...	...	1·6	5·5	1·5	5·5
14	2·2	7·5	2·9	8·5	2·4	7·5	2·1	6·5	1·5	6·5	1·3	6·5	1·2	6	1·1	6	1·7	5·5	1·6	5·5	1·1	6	1·5	6
15	1·4	7	1·7	6	2·2	5	3·0	6·5	0·8	6	0·9	5·5	0·9	5·5	1·2	6	1·5	6	1·5	6	0·9	6	0·8	6
16	2·9	5·5	3·6	6·5	3·8	7·5	5·4	8	1·2	6	1·8	5	1·8	5·5	1·9	6·5	0·7	5	0·8	6	0·7	6·5	0·6	6
17	3·6	6·5	...	...	3·1	7·5	2·4	5·5	2·9	7	3·7	8	3·8	8	3·8	8	0·7	7	0·8	5·5	0·9	5·5	0·9	5
18	1·7	5·5	1·6	6	1·6	6	2·4	6	3·8	8	2·9	7·5	2·6	8	2·2	7·5	0·9	5·5	0·9	5·5	0·7	5	0·7	5·5
19	2·6	6·5	3·4	6	2·7	7	...	...	2·1	7	1·6	6·5	2·7	6·5	2·8	7	0·7	6	0·8	5	0·7	5·5	0·5	6
20	...	...	...	...	3·7	7	3·4	7·5	...	...	...	...	...	...	...	...	0·9	5·5	1·0	5	0·9	5·5	0·9	5·5
21	2·8	7·5	2·9	7	3·5	7	3·4	6	5·8	8·5	5·8	8	...	...	4·7	8	1·3	6	0·9	6	0·8	6	0·8	5
22	4·3	6·5	...	...	...	...	...	...	3·7	9	3·3	8	2·9	8	2·2	7	0·4	5·5	0·5	5	0·5	5	0·7	5
23	...	...	...	...	...	...	...	...	1·8	6	...	...	1·7	6	1·9	5·5	0·6	5·5	0·9	5	0·6	5	0·5	5
24	3·0	6	2·3	6	3·1	6	...	...	2·1	5·5	...	...	2·1	6	2·2	7	0·7	5·5	0·8	5·5	0·8	6	...	...
25	3·1	5·5	2·4	6	3·1	6	3·7	7·5	2·3	6	2·9	6	1·7	6	2·3	6	...	...	...	...	...	...	...	...
26	3·5	7·5	3·8	6·5	...	...	...	...	2·4	5·5	2·7	6	3·0	6·5	3·1	6	2·6	6·5	2·1	7	2·8	6·5	2·1	6·5
27	2·6	8	4·0	7·5	...	...	...	...	4·0	6·5	...	...	4·1	6·5	3·1	6·5	1·6	6·5	1·5	6	1·4	6·5	1·5	6
28	...	...	...	...	...	...	...	...	2·6	6·5	...	...	3·3	8	3·2	8	0·9	5·5	...	...	1·0	5·5	0·9	5·5
29	1·6	6	...	...	1·4	7	...	...									0·9	5	1·0	4·5	1·0	4·5	0·9	5
30	...	...	...	...	1·1	5·5	0·9	5									0·9	4·5	0·8	5	0·6	4·5	0·7	4·5
31	0·7	5	0·8	5	1·0	4	0·8	4									1·0	4·5	1·0	4·5	0·8	4·5	0·6	4·5
Mean ...	A = 2·6μ; T = 6·3 s.								A = 2·3μ; T = 6·4 s.								A = 1·5μ; T = 5·7 s.							
Normal, 1911–21	A = 2·5μ; T = 6·0 s.								A = 2·3μ; T = 6·0 s.								A = 1·9μ; T = 5·7 s.							

Day.	April.								May.								June.							
	0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.	
	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.
	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.
1	0·9	4·5	0·6	4·5	0·9	4·5	1·0	4·5	0·2	5	...	...	0·5	4	0·3	4·5	0·9	4·5	0·9	5	0·8	5	1·1	4
2	...	...	...	...	1·0	4·5	1·1	4·5	0·3	4·5	0·2	5	...	...	0·2	4	0·6	4·5	1·0	4·5	0·9	5	1·0	4·5
3	1·2	4·5	1·2	5	1·0	4·5	1·6	4·5	0·4	4·5	0·5	5	0·7	5	0·8	5·5	...	...	...	...	0·6	4·5	...	...
4	1·3	5	1·1	5	0·9	5	1·0	4·5	0·9	5	1·5	5·5	1·7	6	1·8	6·5	...	...	...	...	0·6	4·5	0·9	5
5	0·9	5·5	0·9	5	...	...	...	...	1·6	6·5	1·5	6	...	...	...	...	...	...	...	...	1·0	7	...	...
6	0·9	4·5	0·8	4·5	0·9	4·5	0·8	4·5	0·8	5	1·0	5	1·0	4·5	1·1	4	...	...	...	...	...	...	...	...
7	0·9	4·5	0·9	4·5	0·9	5	1·1	4·5	0·8	5·5	0·9	5·5	1·0	4·5	0·9	5	...	...	...	...	...	...	...	...
8	0·8	5·5	1·0	4·5	1·0	4·5	1·0	4·5	0·9	5	0·8	5·5	1·0	4·5	0·9	4·5	...	...	...	...	...	...	...	...
9	0·8	5	0·9	4·5	0·8	5·5	0·8	5	0·9	5	1·0	5	0·9	6	0·8	5·5	...	...	...	...	...	...	...	...
10	1·0	4·5	1·0	4·5	1·1	4	1·1	4·5	0·8	5·5	0·8	5·5	0·8	5·5	0·9	5	...	...	...	...	...	...	...	...
11	1·0	5	1·0	5	1·0	4·5	1·0	4·5	1·0	4·5	0·5	5	0·1	4·5	0·1	4·5	...	...	...	...	...	...	...	...
12	0·9	4·5	0·9	4·5	1·0	4	1·0	4·5	0·1	4	0·1	4	0·1	4	0·2	4	...	...	...	...	...	...	...	...
13	0·9	4·5	...	...	...	...	...	...	...	...	...	...	0·5	5	0·4	5	...	...	...	...	...	...	...	...
14	...	...	...	...	1·2	5·5	2·9	5·5	0·5	4·5	0·7	4	...	...	...	...	...	...	0·3	4·5	0·5	4	0·4	4·5
15	5·9	7	5·0	6·5	3·2	5·5	2·4	6	0·8	5·5	1·6	5·5	1·8	3·5	1·7	5·5	...	...	0·6	4	0·7	4·5	0·5	4·5
16	2·7	5	2·9	4	1·5	5·5	1·6	4	1·8	5·5	1·5	5	1·7	5·5	2·3	4·5	...	...	0·2	4	0·1	4	0·2	4
17	1·0	5	1·0	4·5	1·2	4·5	1·2	5·5	2·0	4·5	2·0	4·5	1·7	4·5	1·3	5	...	...	0·9	5	1·1	6	1·6	6
18	1·1	5·5	1·1	5	0·9	5·5	0·9	5·5	1·1	4·5	1·2	5·5	0·9	5	1·0	5	1·3	6	1·1	5·5	0·8	5·5	0·8	5
19	1·0	5·5	1·0	5·5	0·9	5·5	0·9	5·5	0·9	5	0·9	5	0·5	4·5	0·8	5	0·9	5	0·9	5	...	...	0·9	6
20	1·2	5·5	0·9	6	1·0	5·5	0·9	6	0·5	4·5	0·5	4	0·6	4	0·5	4·5	1·5	6·5	1·7	6	...	...	1·5	6·5
21	1·0	6	0·9	6	0·9	5·5	0·9	6	0·6	4	0·5	4·5	0·5	4·5	0·4	4·5	...	...	...	...	...	...	0·9	5
22	1·2	6·5	1·4	7	2·3	6	2·5	7	0·4	4·5	...	...	0·2	4	0·2	4	...	...	...	...	...	...	...	...
23	2·1	7	1·4	7	1·2	7	0·9	6	0·5	4	0·6	4	0·6	4	0·5	4	...	...	...	...	0·9	5	0·8	4·5
24	0·9	5	1·6	6	1·8	5·5	2·1	5·5	1·0	4·5	1·5	4·5	1·1	4·5	1·1	4·5	0·6	5	0·5	5	0·7	4·5	1·0	4·5
25	1·7	5·5	1·6	5·5	1·5	6	0·9	6	1·0	4·5	0·9	4·5	0·6	4·5	0·9	4·5	0·8	4·5	0·9	4·5	1·0	4	0·5	4·5
26	...	...	0·8	6	1·0	4·5	1·0	4·5	0·9	4·5	1·0	4·5	1·2	4	1·2	4·5	0·6	4	0·7	4	0·6	4	1·0	4
27	...	...	...	...	1·0	4·5	1·1	4·5	1·0	5	1·5	5·5	1·8	5·5	1·7	5	1·0	4·5	0·5	4·5	0·3	4	0·3	4·5
28	1·0	4·5	1·2	4·5	0·8	5	1·0	4·5	1·0	5	1·0	4·5	0·3	4	0·7	4·5	0·1	5	0·3	4·5	0·3	4·5	0·4	3·5
29	1·0	5·5	1·0	5·5	...	...	...	...	0·5	4	0·2	4	0·4	4·5	0·5	4	0·3	4	0·5	5	0·5	5	0·5	4·5
30	1·0	4·5	1·0	4·5	0·5	4	0·3	5	0·1	4	0·1	4	0·1	4·5	0·4	4·5	0·5	5	0·6	4	0·3	5	0·3	4·5
31									0·3	4	0·3	4	0·5	5	1·0	4·5								
Mean ...	A = 1·2μ; T = 5·1 s.								A = 0·8μ; T = 4·7 s.								A = 0·7μ; T = 4·8 s.							
Normal, 1911–21	A = 1·2μ; T = 5·3 s.								A = 0·7μ; T = 4·8 s.								A = 0·5μ; T = 4·5 s.							

NOTE:—The symbol ... indicates that microseisms were not measured, either by reason of occurrence of earthquake or lack of record.

MICROSEISMS OF NORTH COMPONENT: AMPLITUDE (μ = ·001 mm.) AND PERIOD (seconds).

Derived from readings, for the period of thirty minutes centering at the exact hour, Greenwich Mean Time.

270. Eskdalemuir. **1922.**

Day.	July.								August.								September.							
	0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.	
	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.
	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.
1	0·2	4·5	0·7	4	0·5	4·5	0·8	4·5	0·5	4·5	0·4	4·5	0·5	4	0·3	3·5	0·8	4·5	0·7	4·5	0·3	4	0·2	4
2	0·7	5	0·7	5·5	0·5	6	1·2	4	0·1	3	0·2	4	0·1	3	0·0	—	0·2	4	0·3	4	0·1	4	0·1	4
3	0·6	5	0·4	4·5	0·3	4·5	0·2	4	0·0	—	0·0	—	0·1	3	0·1	3·5	0·1	3·5	0·1	4	0·1	4	...	...
4	0·3	4·5	0·5	4	0·3	3·5	0·2	4	0·0	—	0·1	3	0·0	—	0·0	—	0·1	4	...	...	...	...	...	...
5	0·5	4	0·5	5	...	...	...	...	0·0	—	0·0	—	0·0	—	0·0	—	0·1	4	0·2	4	0·1	4	0·2	4
6	...	...	...	...	1·0	4·5	2·9	4·5	0·0	—	0·0	—	0·0	—	0·0	—	0·4	4·5	0·8	4	0·4	4·5	0·5	5
7	3·1	4·5	2·1	4·5	1·1	4	0·6	4	0·0	—	0·0	—	0·0	—	0·1	3	0·5	4	0·5	5	0·4	5	0·3	4
8	0·8	4	1·1	4·5	1·1	5	0·9	5	0·0	—	0·1	3	0·3	3	0·3	3	0·2	4	0·4	5	0·4	5	0·5	5
9	0·9	4·5	0·9	4	0·9	4	1·0	4·5	0·1	3	0·3	3	0·1	3	0·1	3	0·5	5	0·5	4·5	0·6	4	0·5	4
10	1·0	3·5	1·1	4	1·2	4	0·6	4	0·1	3	0·2	4	0·3	3	0·2	4	0·4	4·5	0·5	4·5	0·2	4	0·3	4
11	0·9	4·5	0·5	4·5	0·9	4·5	0·5	4·5	0·2	4·5	0·2	4	0·7	5	0·7	4	0·6	4	0·9	4·5	0·8	4	1·0	4
12	0·5	4·5	0·5	4·5	0·7	4·5	0·6	5	1·1	4	1·0	4·5	0·9	5	0·9	5	0·9	5	0·9	4·5	1·0	4·5	0·9	5
13	0·8	5·5	...	...	0·8	6	0·8	5·5	...	...	1·0	4	0·7	4·5	0·6	4·5	1·6	5·5	1·6	5·5	1·5	6·5	1·7	5·5
14	0·9	5	0·8	4·5	0·5	4·5	0·6	4	0·8	4·5	0·7	5	...	...	0·5	4·5	1·5	5·5	0·9	5·5	0·9	6	0·8	5·5
15	0·8	4	0·7	4·5	0·3	4	0·6	4	0·6	5	0·6	4·5	0·4	4·5	0·6	4	0·7	5·5	1·0	4	0·8	4·5	0·8	4·5
16	0·5	4·5	0·2	4·5	0·2	4	0·3	3·5	0·6	4	0·6	4	0·6	4·5	...	...	1·0	4	1·2	4·5	1·2	4	1·4	4·5
17	0·4	3	0·3	3·5	0·1	3	0·1	3	0·6	4·5	0·8	6	0·8	5·5	0·8	5·5	...	...	2·0	4·5	2·3	5	1·8	5·5
18	0·1	3	0·1	3	0·1	3·5	0·3	3	1·0	5	0·7	5	0·6	4·5	0·7	4	1·7	4·5	1·2	4·5	1·0	4·5	0·7	5·5
19	0·3	3	0·3	4	0·3	4	0·6	4	1·0	4	0·5	4·5	0·5	4·5	0·6	4	0·9	5	0·9	4	1·0	4·5	1·1	4·5
20	0·2	4	0·3	3·5	0·1	3	0·1	3	0·8	4·5	0·9	4·5	0·8	5·5	0·9	5	1·8	5	1·5	5	1·8	4·5	1·0	5·5
21	0·3	3	0·2	4	0·1	3·5	0·1	4	1·0	5	0·9	5·5	0·8	6	0·9	5·5	0·9	5·5	0·9	5	0·9	5	0·9	4·5
22	0·1	4	0·2	4	0·1	3·5	0·5	4	1·0	6	0·9	5·5	0·7	5	0·7	5	0·9	5	0·8	5·5	0·9	4·5	0·8	5
23	0·2	4	0·2	4	0·3	3·5	0·3	4	...	...	...	...	0·9	3	0·9	4	0·5	4·5	0·5	5	0·7	4·5	0·7	5·5
24	0·3	4	0·2	4	0·2	4	0·2	4	0·6	4	0·8	4·5	1·1	4	1·1	4	0·6	5	0·8	5	0·8	5	0·8	5·5
25	0·2	4	0·3	3·5	0·3	3·5	0·3	4	1·0	4·5	1·0	5·5	...	...	1·5	5	0·9	6	1·7	5·5	1·5	6	2·3	6
26	0·5	4	0·7	4	0·6	4	1·0	4	1·1	5	1·2	4·5	1·0	5	1·0	5	1·7	6·5	1·9	8	1·9	8	1·6	8·5
27	1·0	4·5	0·8	5·5	0·9	6	0·8	6	0·8	5	1·0	4·5	1·0	4·5	0·8	5·5	1·3	7	1·0	4·5	...	...	...	...
28	0·9	5	0·9	5	0·8	5	0·8	5	0·7	6	0·8	5·5	0·8	4·5	0·6	4·5	0·9	5	0·7	4·5	0·8	5·5	0·8	5·5
29	0·9	5	0·5	5·5	0·5	5·5	0·4	5	0·4	4·5	0·2	4	0·5	3·5	...	...	0·9	6	...	...	2·0	8	2·0	6
30	0·5	4·5	0·5	4	0·6	4	0·5	4	0·6	3·5	0·8	4·5	...	...	...	...	1·1	8·5	1·5	6·5	1·0	5·5	0·8	5·5
31	1·0	4	0·8	4·5	0·5	5	0·9	4	0·8	4·5	0·9	4·5	0·8	5	0·8	5								
Mean ...	A = 0·6μ; T = 4·2 s.								A = 0·5μ; T = 4·4 s.								A = 0·9μ; T = 5·0 s.							
Normal 1911–21	A = 0·3μ; T = 4·3 s.								A = 0·5μ; T = 4·4 s.								A = 0·9μ; T = 5·0 s.							

Day.	October.								November.								December.							
	0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.	
	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.
	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.
1	1·0	5	1·2	4·5	1·4	6·5	1·5	6·5	...	...	...	...	...	...	4·2	5·5	...	...	...	...	...	...	...	...
2	1·6	6	0·9	6	0·9	6	0·9	5·5	4·6	5·5	...	...	3·9	6	...	...	...	...	...	...	...	...	...	...
3	0·8	5·5	...	...	0·6	4	0·6	4	2·7	5	...	...	1·6	6	1·6	6	...	...	...	...	...	...	...	...
4	0·6	5	0·4	4·5	0·5	5	0·7	4·5	1·6	5	...	...	1·3	5·5	...	...	...	...	...	...	...	...	0·8	6
5	0·7	6	0·9	5	0·9	5	1·0	5	0·9	6	...	...	1·8	5·5	...	...	0·8	6	0·9	5	0·8	5·5	1·3	5·5
6	0·8	5·5	0·7	5·5	0·7	5	0·7	6	2·8	5	...	...	2·7	5	...	...	1·6	5	1·4	6·5	...	...	...	...
7	0·5	5·5	0·7	6	0·7	7	0·7	6·5	2·3	6	...	...	2·3	5	...	...	...	...	...	...	...	...	...	...
8	0·7	7	0·6	8	0·8	6	0·8	6	...	...	...	...	1·1	4·5	1·0	5	...	...	...	...	...	...	...	...
9	0·7	6	0·7	5·5	0·6	5·5	...	...	1·0	4·5	...	...	1·0	4·5	0·9	5	...	...	...	...	1·0	5·5	1·0	6·5
10	0·7	5·5	...	...	0·5	5	...	...	1·7	5·5	...	...	2·1	4·5	1·7	5	1·4	7	1·3	7	0·9	6	...	...
11	...	...	...	...	0·8	6	...	...	1·0	4·5	...	...	1·2	4·5	1·2	5·5	1·0	6	0·9	5·5	0·9	6	...	...
12	1·1	6	...	...	0·9	5·5	1·5	5	0·9	5	...	...	1·5	5·5	0·9	5·5	1·5	5	...	...	1·1	6	0·8	6
13	0·9	5·5	1·6	5·5	1·6	5·5	1·6	6	1·5	6	1·3	6·5	1·9	6	1·9	6	1·4	5	1·7	6	...	...	2·4	6·5
14	1·8	5	...	...	1·8	5	...	...	2·2	6	1·6	6	1·7	6	1·6	6	1·9	6	2·5	5·5	2·4	6·5	2·3	6
15	1·1	4	0·9	4·5	0·8	4	0·4	4·5	0·9	6	...	...	0·7	5·5	0·7	5	1·7	5·5	...	...	...	...	...	...
16	0·7	4	0·7	4	0·7	4	1·1	4	0·7	5·5	...	...	0·6	5	0·9	5	...	...	...	...	...	...	...	...
17	0·9	4·5	0·8	5	1·0	4·5	1·0	4·5	0·9	5	1·0	5	...	...	0·9	6	1·6	7	...	...	...	...	...	...
18	1·0	4·5	...	...	1·0	4·5	...	...	1·0	5	...	...	0·8	5·5	0·8	5·5	...	...	...	...	2·7	6	...	...
19	1·1	5	...	...	1·0	4·5	...	...	...	...	...	...	...	...	0·6	4·5	...	...	...	...	...	...	...	...
20	0·5	4·5	...	...	0·6	4	0·5	6	0·8	5	...	...	0·5	4·5	0·6	4·5	...	...	...	...	...	...	...	...
21	1·1	4	...	...	1·6	5·5	1·3	6	0·7	4·5	0·4	4·5	0·4	4·5	0·7	5	...	...	...	...	...	...	...	...
22	1·6	6	...	...	...	...	...	...	0·9	4·5	...	...	0·9	5	0·8	5·5	...	...	...	...	4·1	8·5	4·1	8·5
23	...	...	...	...	...	...	...	...	0·5	6	...	...	1·1	4·5	1·9	4·5	...	...	...	...	3·1	7	...	...
24	...	...	...	...	...	...	0·7	5·5	1·8	5	...	...	2·7	6·5	2·3	6	2·1	7·5	2·0	7	1·7	5·5	1·5	5·5
25	...	...	0·8	6	0·7	5·5	0·7	5	1·5	6·5	...	...	...	...	...	...	1·9	5	...	...	2·3	6·5	...	...
26	0·9	4·5	0·9	5	1·0	5	1·0	5	1·5	4·5	...	...	...	...	1·6	5·5	6·8	8	...	...	5·8	8	...	...
27	1·2	4·5	2·0	4·5	1·7	5	1·0	5	1·6	6	...	...	1·6	6	...	...	3·9	5	...	...	4·7	6·5	4·9	7
28	0·9	5	0·8	5	0·8	5·5	...	...	1·6	6	...	...	...	...	...	...	5·9	6·5	...	...	3·8	6	3·7	6
29	...	...	...	...	0·8	5·5	...	...	...	...	...	...	...	...	...	...	4·8	6	3·7	7·5	4·8	6	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·0	7·5	...	...	4·3	7	4·3	7
31	...	...	...	...	1·3	5	...	...									3·3	6	3·1	6	2·3	6	...	...
Mean ...	A = 0·9μ; T = 5·2 s.								A = 1·4μ; T = 5·3 s.								A = 2·6μ; T = 6·3 s.							
Normal 1911–21*	A = 1·3μ; T = 5·2 s.								A = 1·9μ; T = 5·7 s.								A = 2·3μ; T = 5·9 s.							

* 10 years only. No records Oct.–Dec., 1920, when recording mechanism was under repair.

NOTE.—The symbol ... indicates that microseisms were not measured, either by reason of occurrence of earthquake or lack of record.

M.O. 259
(Section III.)

Air Ministry

FOR OFFICIAL USE.

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1922

Comprising the results obtained from autographic records and eye observations at the observatories at Aberdeen, Eskdalemuir, Cahirciveen (Valencia Observatory), Richmond (Kew Observatory), and Benson.

SECTION III.—CAHIRCIVEEN

Published by the authority of the
METEOROLOGICAL COMMITTEE

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1925

SECTION III.

CAHIRCIVEEN (VALENCIA OBSERVATORY).

Latitude	51° 56′ N.
Longitude	10° 15′ W.
G.M.T. of Local Mean Noon	12h 41m.

Heights in metres above Sea Level.

Barometer	13·7
Rain-gauge	9·1
Robinson Cup Anemograph	26
Dines Tube Anemograph	30

Heights in metres above Ground.

Thermometer Bulbs	1·3
Sunshine Recorder	12·8
Robinson Cup Anemograph	14
Dines Tube Anemograph	13

INTRODUCTION.

SITE.

Valencia Observatory derives its name from the fact that it was originally established on Valencia Island in 1867. It was removed to the mainland in March, 1892, and now lies in a direct line between the old site on Valencia Island and the town of Cahirciveen, about 2½ miles (4 km.) north-east from the former, and three-quarters of a mile (1 km.) south-west of the latter. It is quite remote from any other buildings. The general character of the country surrounding the Observatory is hilly. The eastern bank of the Cahir river is about 150 metres to the westward, and in that direction there is no very high ground between the Observatory and the open sea, some 3½ miles (6 km.) away. To the north-west, however, are hills varying in height from 400 (120 m.) to 900 feet (275 m.), the highest being less than 3 miles (5 km.) distant. These are only separated by a narrow gully running in a N N W direction from other hills equally high, which stretch away to the northward : the nearest of these is but little more than a mile (1½ km.) from the Observatory. Beyond the town of Cahirciveen to the north-east the river opens out considerably, and the country in this direction becomes an open boggy basin, rising by only a gentle gradient. Southward of this, however, it soon rises again, and at about a mile south-east of the Observatory it culminates in a hill upwards of 1,245 feet (380 m.) in height. Still further south it opens out once more to a distance of nearly 5 miles (8 km.) from the Observatory, where there is a range of hills running east and west, and varying in height from 400 (120 m.) to 1,300 feet (400 m.). To the south-west there is an opening to the sea, between Valencia Island and the mainland ; and the circle of hills is completed by those on the island itself, the highest of which is about 800 feet (240 m.) high, and bears about west-south-west from the Observatory. For a general view of the Observatory building, see Fig. 3.

METEOROLOGY.

The elements dealt with in the following tables are : atmospheric pressure, air temperature, humidity, rainfall, sunshine, wind speed and direction, minimum temperature on the grass, together with a diary of cloud and weather.

Pressure and Temperature.—The photographic barograph and thermograph are installed in a room on the ground floor of the Observatory tower. The standard Fortin barometer, from which the control readings at 9h, 15h and 21h are taken, is

(15931) Wt. 13586/10451/P.F.1350/588 375 8/25 Harrow G.69/13.

mounted in the same room beside a window which faces the north-east. The stems of the dry and wet bulb thermometers pass out into the screen placed against the north wall of the tower. Close to the bulb of these thermometers are the bulbs of the standard thermometers from which the control readings at 9h, 15h and 21h are taken.

Rainfall.—The Beckley raingauge and the 8-inch (20·3 cm.) check gauge are placed in a railed-off enclosure about 40 metres to the north of the tower.

Sunshine.—The recorder is cemented to a wooden rail on the roof of the tower. The exposure is satisfactory.

Wind Speed and Direction.—The Robinson Cup Anemograph is placed on the roof of the Observatory tower (see Fig. 3). It will be seen from Fig. 3 that the exposure is satisfactory except for winds between south and south-west. Winds from these directions are liable to be deviated and reduced in speed because of the sheltering action of the roof and chimney. The Dines Tube Anemograph stands in an open field, about 250 metres S E by E of the Observatory tower. The field slopes northwards to the river Cahir. About 1 mile (1½ km.) to the south-east and in an approximately direct line with the highest point (1,245 feet) is the hill Bentee which extends for some little distance in a northerly and south-westerly direction. A description of the surrounding country has already been given on p. 195.

Minimum Temperature on the Grass.—The grass minimum thermometer is of the type described on p. 12. It is exposed over short grass in the field enclosure. It is set at 18h and read at 9h on the succeeding day, the reading being entered to the day of reading.

Notes on the Meteorological Summaries.

The features that stand out most in a general meteorological review of the year 1922 at Cahirciveen, are the cold weather of April, the prolonged low temperature, practically continuous from the middle of June to the beginning of November, and the small rainfall of October and November.

Pressure.—Neither very high nor very low pressures were recorded before the latter half of November, but on the 16th and 17th of that month pressure at station level reached 1,042 millibars while on the 29th and 30th of December the year's minimum of 967 millibars was registered. The mean pressure for the year was only 0·12 millibars less than the normal, but the months considered individually showed considerable divergences from the average ; January and February having deficiencies of 7 and 6 millibars respectively, while the mean excess in November was as much as 12 millibars. The mean diurnal variation for the year followed the normal very closely, the hourly values being deficient by amounts varying from 0·08 to 0·20 millibars. This correspondence appears clearly in the mean coefficients of the Fourier analysis of the annual diurnal variation, which are given in the second line after the monthly values in Table A (p. 199), followed by the normal values for the annual diurnal variation. The inequality is represented by either of the equivalent formulae :—

$$(a)\ c_1 \sin (15t^\circ + \alpha_1) + c_2 \sin (30t^\circ + \alpha_2) + c_3 \sin (45t^\circ + \alpha_3) + c_4 \sin (60t^\circ + \alpha_4)$$

$$(b)\ a_1 \cos 15t^\circ + b_1 \sin 15t^\circ + a_2 \cos 30t^\circ + b_2 \sin 30t^\circ + \ldots .$$

where t is the time in hours after midnight, all times being expressed in Local Mean Time. In the table, immediately below the coefficients for the individual months, are shown the arithmetic means of the monthly amplitudes. The values for the year and the normals are computed directly from the mean inequalities. The normals are for the period 1871 to 1915.

The mean inequality for the year gives values very near to the normal, particularly in the case of the phase angles ; the correspondence appears even more clearly when the times of maximum amplitude are compared instead of the actual

FIG. 3.

VALENCIA OBSERVATORY.—GENERAL VIEW.

[*To face p.* 196

phase angles. Other points worthy of notice in the table are the somewhat irregular changes, both in amplitude and phase, in the 24-hour term, the small variation in the 12-hour term, and the regular change from month to month in the 8-hour term, the last named having amplitudes which are large in winter and small in summer, with phases nearly opposed at the two seasons. The 6-hour term shows a general similarity to the 8-hour term in its changes throughout the year, but the difference between the summer and winter amplitudes is proportionally much greater. The changes in phase, while apparently not so regular, still give approximate opposition at the two seasons. In the year 1891, the Meteorological Office published the results of the harmonic analysis of pressure and temperature inequalities for all the months of the twelve years 1871 to 1882 in Official Publication, No. 93. Reference to this work shows that the 1922 mean value of c_2 is high, being, in fact, the same as the highest mean annual value during the 12-year period, namely ·342 millibars. The mean value of c_2 is the same as the average for the 12 years, the value of c_2 obtained from the mean annual diurnal inequality being also the same as the corresponding value for the 12-year period. In the case of c_3 is found again a reasonably close agreement in the case of the mean for the twelve months, but the value of c_3 as calculated from the inequality for the year appears rather low in 1922 as compared with the 12-year period.

Temperature.—The mean temperature for the year was 283·14a, or 0·37a below normal. Eight of the twelve monthly means were low as compared with the normal values; the most striking deficiencies, appearing in April, July and August, being respectively 2·22, 1·97 and 1·48a. No month showed an excess over normal of a whole degree absolute, February having the greatest with 0·88a. The highest temperature recorded during the year was 297·0a (75·2° F.) on the 31st of May, the following day, the 1st of June, having a maximum of 295·1a (71·8° F.). The lowest temperature was on the 20th of January, 272·1a (30·3° F.), the only other day on which the minimum was below the freezing point being the 12th of January on which day it was 272·2a (30·5° F.).

The diurnal inequalities of temperature have been resolved into harmonic components which are given in Table B (p. 199). The normal values of these components are not available, but in the lowest line of the table are given the values computed from the mean diurnal inequality for the period 1871 to 1882, obtained from Official Publication, No. 93, quoted above in the notes on pressure. For purposes of comparison these may be regarded as normal values. The four mean values of amplitude given immediately below the monthly values are the arithmetic means of the monthly amplitudes. The values for the year are computed directly from the mean diurnal inequality for 1922. The 12-hour term has a rather small amplitude and is somewhat earlier than normal as regards phase; the 8-hour term also is low but its maximum value is very late. The highest value of c_1 occurs in May as in the average for the period 1871-1882. The variation of phase through the year agrees very closely with the normal, a difference of an hour in the time of maximum appearing in only one month, namely, February. Of the remaining months eight show a difference from normal of ten minutes or less. The 12-hour term has the usual double period with minima in winter and summer. The March and April amplitudes are, however, considerably below normal, being, in fact, lower than those for February and November. In May and June the first maxima are more than an hour early while February has its first maximum rather less than an hour late as compared with the normal for the period 1871–1882. The variation of the amplitude of the 8-hour term from month to month does not follow the normal so well. The normal seasonal variation of the 8-hour term is very regular with well-marked maxima in summer and winter and minima at the equinoxes, whereas in the table for 1922 it is seen that there is no certain change between January and April and that December has a very low value for the amplitude; maxima appear, however, in May and November. The variation in phase through the year is similar in character to that shown by the normals for the comparison period, but is much

larger. Agreeing very closely in summer with the normal, the time of first maximum occurs increasingly later with respect to normal month by month towards both January and December, being in each of these months about three hours late. No 6-hour term data are included in the publication utilised for these comparisons.

Rainfall.—The period 1871 to 1915, chosen for the normals in the volumes of *Hourly Values* published in previous years, is not the same as the period adopted for comparative purposes in *British Rainfall.* In these notes the *Hourly Values* period is to be understood to be the one referred to whenever reference is made to normal values, and there will be, in consequence, slight differences between comparative figures here and in *British Rainfall,* but such differences will be small and of little significance.

The rainfall for the year 1922 was 6 per cent. below the normal, giving a mean daily deficiency of 0·23 millimetres. In January and February excesses over normal of 27 and 32 per cent. were registered and in July 43 per cent. The excess in January and February was spread over the whole period, the duration figures being the highest of the year, totalling for the two months 213 hours of rain. In July, on the other hand, of the 141 millimetres registered, 58 fell during one interval of twenty-four hours. The duration was by no means small for a summer month, however, being 67 hours; only on five days was no rain registered, but only eight days had more than five millimetres. Among months which had less than average rainfall most conspicuous are March, June and October, with deficiencies respectively of 31, 53 and 61 per cent. Fifteen days of March had no rain at all, while three more had less than a millimetre. From the 10th to the 22nd no rain occurred in the daytime, and no rain was recorded from 0h on the 28th to 24h on the 3rd April. Except for three very slight falls of rain the first eleven days of June were dry, following the last five days of May without rain. In all, June had 21 days with not more than a millimetre of rain and 13 with no rain. The duration for this month was very low, being no more than 27 hours. October shows the most pronounced deficiency of rain, with 19 perfectly dry days. Of these, ten were consecutive. Three other days had less than a millimetre.

Sunshine.—Sunshine was, on the whole, deficient. Only in March and October was the recorded sunshine greater than normal, the earlier month having an excess of 25 per cent. and the later one 30 per cent. March and October were noted above as exceptionally dry months; but it is interesting to notice that the third exceptionally dry month, June, has in the matter of sunshine a deficiency of 34 per cent. September had the smallest amount as compared with the normal, the deficiency amounting to 41 per cent., while November and December had each 35 per cent. less than average. The mean deficiency for the year was 13 per cent.

Cloud and Weather.—The general characteristics of weather for 1922 appear sufficiently well from the above notes and the details given in Tables 356–367, and further elaboration is unnecessary here. A feature of the cloud summaries calls, however, for a special note. It will be noticed that observations of Nimbus cloud are exceedingly rare, Stratus being usually entered at times of rain. In this connection it may be observed that at the end of June, 1922, a change of superintendent took place at the observatory, and that the observations of the new superintendent showed the same peculiarities in this matter of Nimbus cloud as did those of his predecessor. As a considerable number of the observations is made by the superintendent, including practically all the 21h and at least half the 7h observations, and as both superintendents in the present case were experienced observers, it is reasonably safe to conclude that the small number of observations of Nimbus cloud is not due to the idiosyncrasies of the observers. The "dense layer of dark shapeless cloud with ragged edges" (vide *Observer's Handbook*) is observed at Valencia only very rarely, whereas rain is observed more frequently than at most stations. Frequent entries of Nimbus cloud in the register would only be justified on the assumption that all rain-clouds are Nimbus of one sort or another, a proposition which probably few meteorologists would be prepared to support.

TABLE A.

Harmonic Analysis of Diurnal Variation of Pressure, 1922.
Cahirciveen (Valencia Observatory), Longitude 10° 15′ W.

Month.	Amplitude in Millibars.				Phase, Local Mean Time.							
	24-Hour Term.				12-Hour Term.		8-Hour Term.		6-Hour Term.			
	c_1	c_2	c_3	c_4	α_1	Max.	α_2	Max.	α_3	Max.	α_4	Max.
					°	h m	°	h m	°	h m	°	h m
January ..	·383	·268	·137	·092	196·0	16 56	168·4	9 23	14·8	1 40	203·3	4 7
February ..	·280	·206	·060	·064	273·7	11 45	124·1	10 52	0·9	1 59	65·3	0 25
March	·123	·385	·092	·041	233·3	14 45	151·9	9 56	342·4	2 23	34·2	0 56
April	·441	·230	·058	·072	88·9	0 4	165·3	9 29	188·7	5 48	13·9	1 16
May	·457	·244	·068	·033	220·4	15 19	144·1	10 12	167·1	6 17	357·4	1 32
June	·394	·215	·082	·028	225·6	14 58	160·3	9 40	159·5	6 28	315·3	2 15
July	·459	·210	·068	·014	185·8	17 37	146·9	10 6	150·1	6 40	62·2	0 28
August ..	·216	·269	·089	·015	198·0	16 48	135·5	10 29	164·1	6 21	279·6	2 50
September ..	·322	·298	·014	·044	184·6	17 41	161·0	9 38	276·1	3 52	348·8	1 41
October ..	·128	·362	·104	·008	223·5	15 6	161·0	9 38	344·7	2 20	77·4	0 13
November ..	·290	·410	·082	·032	229·4	14 43	167·0	9 18	13·3	1 42	159·4	4 50
December ..	·608	·395	·137	·097	63·8	1 45	148·4	10 3	335·5	2 32	202·6	4 7
Arithmetic Mean	·342	·291	·083	·045	..	..	..	..	..	..	..	..
Year	·176	·284	·020	·006	192·9	17 9	154·4	9 51	4·1	1 55	31·7	0 59
*Normal	·151	·307	·034	·004	188·1	17 28	151·5	9 57	2·8	1 56	83·5	0 7

* From the mean diurnal inequality for the period 1871–1915.

TABLE B.

Harmonic Analysis of Diurnal Variation of Temperature, 1922.
Cahirciveen (Valencia Observatory), Longitude 10° 15′ W.

Month.	Amplitude in Degrees Absolute.				Phase, Local Mean Time.							
	24-Hour Term.				12-Hour Term.		8-Hour Term.		6-Hour Term.			
	c_1	c_2	c_3	c_4	α_1	Max.	α_2	Max.	α_3	Max.	α_4	Max.
					°	h m	°	h m	°	h m	°	h m
January ..	·197	·249	·109	·023	249·4	13 22	71·5	0 40	227·5	4 56	320·3	2 10
February ..	·597	·356	·107	·051	226·8	14 53	56·9	1 6	246·8	4 31	258·3	3 12
March	1·252	·332	·110	·100	228·8	14 45	65·4	0 49	314·3	3 1	253·1	3 17
April	1·836	·305	·108	·067	236·4	14 14	80·8	0 19	20·2	1 33	227·2	3 43
May	1·967	·115	·234	·063	244·6	13 41	109·6	11 21	49·1	0 58	297·4	2 33
June	1·641	·159	·185	·054	244·5	13 42	93·8	11 52	74·6	0 20	316·5	2 13
July	1·723	·142	·186	·044	247·2	13 31	84·8	0 10	84·0	0 8	321·7	2 8
August ..	1·586	·221	·085	·038	247·7	13 29	67·6	0 45	40·0	1 6	272·5	2 57
September ..	1·327	·389	·023	·057	241·4	13 55	77·6	0 25	359·9	2 3	266·8	3 3
October.. ..	1·218	·421	·131	·036	233·9	14 25	61·2	0 58	265·8	4 6	219·6	3 50
November ..	·844	·351	·151	·013	244·9	13 40	60·5	0 59	273·7	3 55	259·9	3 10
December ..	·569	·101	·055	·043	227·4	14 50	62·4	0 55	256·5	4 18	11·6	1 18
Arithmetic Mean	1·230	·262	·124	·049	..	..	..	..	..	..	..	..
Year	1·221	·255	·029	·034	240·9	13 56	70·7	0· 38	13·1	1· 43	268·6	3 1
Period 1871-1882	1·251	·328	·054	..	244·9	13 40	60·7	0 59	54·4	0 47	..	..

TERRESTRIAL MAGNETISM.

Notes on the Magnetic Observations for the Year 1922.

Absolute observations of declination, horizontal force and inclination shown in Table C (p. 201) were made, on the whole, rather more frequently than in previous years. It had been the practice to make two observations per month of each of the three elements, but with extra observations from time to time. For the first six months of the year 1922, the average number of observations per month was three, and from July to the end of the year four. The instruments in use were the same as in previous years, namely, the Dover unifilar magnetometer, No. 139, and the Dover dip circle, No. 118. The mean times of observation were 10h. 21m. for the declination, 11h. 41m. for the horizontal force and 14h. 31m. for the inclination, all these times being Greenwich Mean Time. In only two observations was the time different by more than ten minutes from the average. All observations used in the published tables were made at times when the elements observed—as recorded by the magnetographs at Kew Observatory, Richmond—were free from serious disturbance. The deflection of the mirror magnet was measured with the collimator magnet at distances of 30cm. and 40cm. and a single distribution constant, P, was calculated. Up to September the complete observation of deflection consisted of twelve readings of the mirror magnet, as described in the notes on the observations in the *British Meteorological and Magnetic Year Book*, Part IV, for 1917. From September onwards the original practice of observing only eight positions of the mirror magnet was resumed. The twelve-position method was introduced in order to diminish observational errors in the individual values of P. The same purpose is now served by observing weekly instead of fortnightly. The value of P was calculated for each month separately by the method described in the notes in the *British Meteorological and Magnetic Year Book* for 1919. The extreme variation in the value of P calculated in this way was equivalent to about 6γ in the value of the horizontal force. As this is about double the extreme variation found in 1921 it would seem that the reversion to the original eight-position method of observing the deflections, even with twice the number of observations, was responsible for a considerable increase in the effect on the monthly means of casual errors of observation. There is good reason, however, to suppose that this increase is due to some cause other than the alteration in the method of observation, and that the object of the twelve-position method, namely, the minimising of the effects of casual errors, is as fully secured by more frequent observations with the eight-position method, with the added advantage that when obtaining monthly mean values of the horizontal force the discarding of an observation in any month on account of disturbance is of less account when there are four or five observations available for the mean than when there are only two. The magnetic moment of the collimator magnet, No. 139A, has continued to decrease at the rate of about three units per year, as in the last three years. The mean value of P was 7·29.

The mean values of declination, inclination and horizontal force are given in Table D (p. 202), together with the mean monthly and annual values of the North, West and Vertical Components and the Total Force, calculated from them. Annual values are also given for previous years. Westerly declination has diminished by 9′·5 as compared with 1921. The change was 11′·4 in the same direction in the preceding twelve months, while if we take five-year averages for the periods 1917–1922, 1915–1920 and 1910–1915, we find that the decreases over these periods, in order, are 9′·2, 9′·2 and 8′·2; so that the position of the magnetic needle is moving eastward at a fairly steady rate which is inclined to become greater.

Northerly inclination continues to decrease very slowly, the change in the mean value from 1921 to 1922 being −0′·4. The change in the preceding year was −1′·9. Considering averages, we find that the five years ended December, 1922, have a mean decrement of 0′·8, while the periods 1915–1920 and 1910–1915 show, respectively −0′·5 and −1′·0 per year. The observation of inclination is hardly such as to justify the drawing of any conclusions from the differences in the annual

rates of change ; instrumental uncertainties are probably quite sufficient to account for them, and in addition it is to be remembered that observations have been made on about one-tenth of the days of the year only. It must suffice to say that on the whole, an average annual decrease in the inclination of about 0′·7 per annum is in progress.

The secular change in the horizontal force had shown signs of approaching a turning point about 1918–1919. Immediately previous to this the mean annual change had been a decrease of rather more than 5γ. From 1918 to 1919, however, and again from 1919 to 1920 the year's fall was only 2γ. At the end of 1921, therefore, it was interesting to find that the change from 1920 was an increase of 8γ. The mean value for 1922 is again greater than that for 1921, but only by 1γ, so that, even allowing for a certain amount of instrumental uncertainty, the results for the past five years considered together indicate that the steady annual diminution in the horizontal force has died out and has given place to an annual increase, for the time being at any rate ; whether persistent or not can only be determined from the observations of future years.

The rate of decrease of the total force is for the period under review, only 10γ per annum, whereas during the preceding twelve months it was 46γ, and for some years had been on the average about 30γ, while over the period 1910–1915, it was more than 50γ per annum. There is thus a distinct retardation in the fall of the total force.

Table C.

Cahirciveen (Valencia Observatory), Absolute Magnetic Observations, 1922.

Latitude 51° 56′. Longitude 10° 15′W.

Date.	Westerly Declination	Horizontal Force	Northerly Inclination
	° ′	γ	° ′
January 9 ..	19 6·5	17834	68 5·2
,, 20 ..	19 1·3	17867	68 4·2
February 8 ..	19 5·7	17860	68 2·9
,, 23 ..	19 0·6	17866	68 3·5
,, 28 ..	..	17850	..
March 10 ..	18 58·2	17862	68 2·9
,, 24 ..	18 56·4	17842	68 2·8
,, 25 ..	18 56·6	..	..
April 4 ..	18 57·3	17840	..
,, 11 ..	18 56·8	17829	..
,, 12 ..	..	..	68 3·7
,, 25 ..	18 57·4	17832	68 3·5
May 10 ..	18 56·8	17840	68 3·8
,, 25 ..	18 57·3	17852	68 1·5
,, 30 ..	18 55·2	17848	..
June 9 ..	18 55·3	..	68 2·1
,, 10 ..	18 53·7	17846	..
,, 21 ..	18 57·1	17842	..
,, 22 ..	18 58·5	17849	68 2·5
,, 28 ..	18 54·3	17843	68 2·6
July 7	18 59·1	17853	68 4·1
,, 19	18 56·9	17850	68 4·1
,, 26	18 56·7	17856	68 1·1
August 8	18 54·6	17839	68 1·7
,, 29	18 55·9	17838	..
,, 30	18 55·5	17845	68 2·8
September 13	18 59·0	17875	68 3·1
,, 20	18 54·9	17856	68 1·7
,, 27	18 55·1	17850	68 3·7
October 4	18 59·5	..	68 3·4
,, 11	18 52·7	17838	68 3·8
,, 18	18 51·6	17844	68 3·5
,, 25	18 51·9	17844	68 1·7
November 1	18 55·9	..	..
,, 2	..	17845	68 1·5
,, 9	18 55·8	17857	68 3·3
,, 15	18 52·8	17845	68 2·1
,, 22	18 51·4	17856	..
,, 23	..	..	68 3·0
,, 29	18 55·1	17823	68 3·6
December 6	18 55·0	17861	68 3·1
,, 13	18 52·7	17855	68 2·8
,, 20	18 51·9	17870	68 1·5
,, 27	18 54·4	17861	68 1·8

TABLE D.

Valencia Observatory, Cahirciveen.

Magnetic Data for the Year 1922.

1922	Declination (West).		Inclination (North)		Horizontal Force.	North.	West.	Vertical.	Total.
	°	′	°	′	γ	γ	γ	γ	γ
January	19	3·9	68	4·7	17851	16872	5831	44357	47814
February	19	3·2	68	3·2	17859	16881	5830	44321	47784
March	18	57·1	68	2·9	17852	16884	5830	44293	47755
April	18	57·2	68	3·5	17834	16867	5792	44270	47728
May	18	56·4	68	2·7	17847	16881	5793	44273	47735
June	18	55·9	68	2·4	17845	16880	5790	44257	47719
July	18	57·5	68	3·1	17853	16885	5800	44303	47765
August	18	55·3	68	2·3	17841	16877	5785	44243	47705
September	18	56·3	68	2·8	17860	16893	5796	44309	47773
October	18	53·9	68	3·1	17842	16880	5779	44275	47735
November	18	54·2	68	2·7	17845	16883	5781	44268	47730
December	18	53·5	68	2·3	17862	16900	5783	44295	47761
Year, 1922	18	57·0	68	3·0	17849	16882	5796	44289	47750
Year, 1921	19	6·5	68	3·4	17848	16865	5842	44299	47760
Year, 1920	19	17·9	68	5·3	17840	16837	5896	44353	47806
Year, 1919	19	27·2	68	6·1	17842	16823	5942	44385	47837
Year, 1918	19	36·2	68	6·5	17844	16810	5987	44407	47858
Year, 1917	19	43·0	68	6·9	17855	16808	6024	44448	47900
Year, 1915	20	3·8	68	7·9*	17869	16785	6130	44519*	47972*
Year, 1910	20	44·6	68	13·0	17892	16732	6337	44771	48215

*Mean of 11 months.

Readings in millibars at exact hours, Greenwich Mean Time.

271. Cahirciveen (Valencia Observatory) : H_b (height of barometer cistern above M.S.L.) = 13·7 metres. **January, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	028·1	027·3	026·7	025·7	025·5	025·2	024·9	024·7	024·9	025·0	025·1	024·7	024·0	023·4	022·8	022·7	022·3	022·3	022·4	022·1	021·7	021·2	021·0	020·9	024·1
2	020·2	019·8	019·5	019·3	019·2	019·0	019·0	019·2	019·8	019·9	020·3	020·2	019·9	019·9	020·0	020·1	020·7	021·5	022·1	022·5	023·2	024·0	024·1	024·5	020·7
3	024·2	024·7	025·2	025·7	025·3	024·9	024·8	024·8	024·8	024·5	025·0	024·9	024·8	024·6	024·5	024·9	025·3	025·7	026·0	026·4	026·6	027·0	027·6	028·0	025·4
4	028·3	028·7	028·8	029·0	029·2	029·6	029·8	029·9	030·1	030·0	029·8	029·3	028·6	028·1	027·6	027·4	026·7	026·5	026·4	026·0	026·2	026·1	026·2	026·3	028·1
5	026·1	026·1	025·5	025·5	025·3	025·7	025·6	026·3	026·6	027·1	027·3	026·6	026·0	025·3	025·1	025·1	024·9	024·8	024·0	023·9	023·2	023·0	022·2	021·6	025·2
6	020·6	019·9	019·4	018·6	017·9	017·4	016·9	016·7	016·7	016·6	016·5	015·9	015·2	014·6	013·9	013·7	013·2	013·1	013·1	012·9	012·5	012·2	012·0	012·1	015·7
7	011·8	011·6	011·5	011·0	010·9	010·5	010·4	010·6	010·6	010·6	010·2	009·6	008·5	007·7	006·9	006·6	005·8	005·0	004·1	003·6	002·7	001·6	000·8	000·2	007·9
8	999·1	999·9	000·4	001·1	002·1	002·2	003·0	003·9	004·8	005·1	005·8	006·2	006·0	005·5	005·0	006·0	005·7	004·9	004·6	003·9	004·2	005·1	005·7	006·1	003·9
9	006·4	006·3	006·4	006·6	006·1	006·4	006·9	007·2	006·9	007·4	007·5	007·3	007·1	008·5	009·3	010·3	011·6	013·0	013·8	015·2	016·2	017·4	017·8	018·1	009·8
10	018·9	019·2	020·0	020·7	020·9	021·4	022·4	023·2	024·5	025·2	026·6	027·3	027·9	028·2	028·7	029·6	029·9	030·4	030·9	031·2	031·3	031·6	031·7	032·0	026·1
11	031·6	031·0	031·1	031·0	030·9	030·5	030·5	030·5	030·3	030·7	030·9	030·8	030·4	030·0	030·0	030·1	030·3	030·6	030·6	030·8	031·3	031·9	032·4	032·8	**030·9**
12	032·9	032·3	032·5	032·5	032·3	032·0	031·5	031·6	030·9	030·2	028·7	027·9	026·1	024·1	023·3	022·4	021·2	020·3	019·5	018·3	017·0	016·0	015·0	014·5	025·9
13	013·3	012·9	013·0	014·0	014·2	014·5	014·9	015·1	016·3	016·5	017·4	018·0	017·8	018·1	018·3	018·6	019·5	019·7	019·8	020·2	020·4	020·2	020·3	020·2	017·1
14	019·4	019·4	019·4	019·2	018·6	018·4	018·5	018·6	019·1	019·2	019·3	019·0	018·5	018·2	017·9	017·7	017·6	017·4	016·8	016·3	015·5	014·5	013·0	011·7	017·8
15	010·7	008·8	007·1	004·8	002·3	999·3	996·8	995·4	995·4	994·5	995·1	995·0	994·0	994·2	993·8	993·5	993·6	993·6	993·3	993·4	994·2	993·9	993·7	993·7	997·5
16	993·4	993·3	993·2	993·0	992·8	992·3	992·0	992·7	993·6	993·6	994·2	994·1	994·2	994·6	995·1	995·9	996·8	997·1	997·5	998·1	999·0	999·1	999·6	999·0	995·1
17	000·4	000·9	001·4	002·1	002·3	002·7	003·6	004·4	005·5	006·0	006·3	006·4	006·5	006·2	006·1	005·8	005·4	004·7	003·7	002·6	001·5	999·9	998·2	996·3	003·4
18	993·9	992·3	991·5	992·8	993·3	993·8	994·1	994·8	995·6	995·7	995·4	995·1	995·0	995·0	994·9	994·6	994·7	994·9	994·2	994·6	994·4	994·3	994·4	994·4	994·4
19	994·0	993·4	993·8	993·7	993·7	992·9	992·8	992·8	993·2	993·2	994·2	993·7	993·2	992·9	993·0	993·4	993·5	993·8	993·5	993·7	994·6	994·6	994·7	995·2	993·6
20	995·5	995·9	996·4	996·7	997·0	997·4	997·8	998·3	998·4	998·5	998·3	997·9	996·5	994·8	994·2	992·7	991·1	989·3	987·9	986·9	985·0	983·9	983·2	982·2	993·4
21	980·9	979·8	978·8	977·7	977·8	979·9	982·2	983·9	985·8	987·4	988·6	989·9	990·5	991·6	993·2	994·5	995·9	997·1	998·5	999·5	000·3	001·0	001·8	002·2	989·5
22	002·7	002·9	003·3	003·1	003·2	002·9	002·9	003·1	003·2	003·1	003·0	002·7	002·2	001·6	001·8	002·1	002·3	002·5	002·8	003·3	003·4	003·6	003·9	003·9	002·9
23	003·9	003·9	004·5	004·7	005·0	005·3	005·9	006·3	006·6	006·9	007·3	007·1	006·4	006·0	006·4	006·9	007·5	007·6	007·0	007·5	007·2	007·0	006·3	006·1	006·2
24	005·6	005·0	004·6	004·8	004·3	004·3	004·1	004·0	003·4	003·2	002·8	002·0	001·4	001·3	000·9	000·2	000·0	999·9	998·7	998·2	997·6	997·0	996·2	994·4	001·7
25	993·6	992·6	991·5	990·0	988·6	987·6	986·8	985·7	985·9	985·4	985·7	985·0	984·1	984·6	984·8	985·6	986·1	986·9	987·4	987·9	988·6	988·8	988·1	987·9	987·6
26	987·7	987·4	987·7	988·3	989·4	990·3	991·6	993·3	994·7	995·4	996·6	997·2	997·2	997·4	997·6	997·9	997·8	998·1	998·5	996·8	997·2	996·9	996·7	996·5	994·3
27	995·8	994·9	993·7	992·8	991·8	990·5	989·0	987·5	985·5	983·7	982·1	981·2	980·5	979·7	979·1	978·6	977·9	977·6	977·3	976·0	975·0	974·7	974·3	974·2	983·6
28	974·4	974·4	974·5	974·5	974·4	974·4	974·4	975·1	975·8	976·7	977·9	978·6	979·0	979·0	979·4	979·5	979·7	980·2	980·8	981·4	982·0	982·6	983·7	984·3	**978·0**
29	985·1	985·7	986·2	986·4	986·2	986·1	985·9	986·3	986·3	986·2	986·8	986·6	986·4	986·5	986·4	986·7	987·2	987·4	987·7	987·9	988·0	988·0	988·2	988·0	986·7
30	987·6	987·5	986·7	985·6	984·8	984·5	983·8	983·6	982·6	981·5	980·6	980·0	979·2	980·6	982·3	983·7	984·8	985·4	985·7	985·8	986·3	986·4	986·7	986·9	984·3
31	987·0	987·2	987·7	987·8	988·0	988·6	989·1	989·7	990·3	990·8	991·6	992·0	993·0	994·0	995·5	996·8	998·6	000·2	001·5	002·3	003·2	003·8	004·7	005·4	994·1
Mean (Station level)	1005 ·58	1005 ·32	1005 ·26	1005 ·12	1004 ·96	**1004 ·86**	1004 ·90	1005 ·13	1005 ·42	1005 ·48	**1005 ·71**	1005 ·55	1005 ·18	1005 ·04	1005 ·11	1005 ·28	1005 ·41	1005 ·53	1005 ·49	1005 ·49	1005 ·50	1005 ·40	1005 ·30	1005 ·18	1005 ·31
Mean (Sea level)	1007 ·26	1007 ·00	1006 ·94	1006 ·80	1006 ·64	**1006 ·54**	1006 ·58	1006 ·81	1007 ·10	1007 ·16	**1007 ·39**	1007 ·23	1006 ·85	1006 ·71	1006 ·78	1006 ·95	1007 ·09	1007 ·21	1007 ·17	1007 ·17	1007 ·18	1007 ·08	1006 ·98	1006 ·86	1007 ·00

272. Cahirciveen (Valencia Observatory) : H_b = 13·7 metres. **February, 1922.**

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	006·0	006·3	006·6	006·7	006·7	007·0	007·0	007·3	007·4	006·9	006·5	005·7	004·7	003·8	002·3	001·1	000·2	998·4	997·9	996·1	994·9	994·1	994·3	994·0	002·8
2	993·2	992·6	991·9	991·0	989·8	988·7	987·9	987·1	986·4	986·2	985·7	984·6	983·7	982·5	981·7	981·4	981·6	981·9	982·5	983·2	983·9	984·7	985·6	986·2	**986·2**
3	986·2	986·6	987·1	987·3	987·5	987·8	987·6	988·0	988·2	988·9	989·6	990·2	990·4	991·1	991·5	992·7	994·7	996·1	997·4	998·4	999·3	000·3	001·2	002·4	991·8
4	003·2	004·0	004·7	005·4	005·9	006·7	007·1	007·9	008·9	009·4	010·3	010·5	010·9	010·9	011·3	011·7	012·0	012·8	013·6	014·3	014·8	014·9	015·0	015·5	009·8
5	015·9	016·0	016·3	016·3	016·6	017·0	017·5	018·1	019·0	018·9	019·2	019·3	019·5	019·1	018·9	018·6	019·0	019·0	019·4	619·5	019·5	019·4	019·5	019·3	018·3
6	019·0	018·3	017·7	017·3	016·3	016·1	015·7	015·6	015·6	015·4	015·4	015·1	014·5	014·0	013·3	012·7	012·6	012·6	012·7	012·4	012·2	011·9	011·3	011·3	014·7
7	010·7	010·3	009·7	009·4	009·0	008·4	008·0	007·9	008·0	007·6	007·7	007·7	007·0	006·5	005·7	005·4	005·4	006·0	006·2	006·7	007·6	008·2	008·8	009·3	007·8
8	009·8	010·1	010·3	010·5	010·7	011·0	011·6	011·8	012·0	012·5	012·6	012·4	012·6	012·5	012·2	012·0	011·9	012·3	012·4	012·6	012·9	013·1	012·9	013·4	011·8
9	013·7	013·3	013·3	013·3	013·2	013·3	013·3	013·8	014·5	014·6	014·8	014·9	015·2	015·4	015·6	015·7	016·3	016·9	017·5	017·8	018·0	018·5	019·0	018·9	015·3
10	020·5	020·6	020·0	018·8	019·9	020·3	021·0	021·9	022·5	022·8	022·8	022·9	023·0	023·7	023·3	022·8	022·5	022·9	022·9	023·1	023·1	023·1	023·0	022·9	**022·0**
11	022·7	022·1	021·8	021·2	021·0	020·7	020·9	020·7	020·6	020·6	020·3	020·1	019·7	018·9	018·5	017·9	017·6	017·2	016·9	016·7	016·5	016·5	015·8	015·8	019·3
12	015·5	015·0	014·4	014·3	013·7	013·0	013·2	013·2	013·2	013·0	012·9	012·7	012·3	011·7	011·2	010·9	010·8	010·7	010·5	010·7	010·9	011·0	011·1	011·5	012·5
13	011·9	012·0	012·5	012·8	013·5	014·0	014·8	015·7	016·3	016·6	017·4	018·1	018·3	018·4	018·5	018·9	019·0	019·4	019·8	019·9	020·3	020·4	020·3	020·4	016·9
14	020·3	020·0	019·7	019·2	019·0	018·7	018·7	018·3	018·1	017·5	017·2	016·8	016·2	015·4	015·1	014·5	012·9	012·7	012·3	011·9	011·8	011·8	011·7	011·6	016·1
15	011·7	011·7	011·5	011·4	011·1	011·3	011·1	011·3	010·9	010·1	009·7	009·0	008·6	008·0	007·2	006·4	005·7	005·3	004·9	004·1	003·5	003·0	002·6	002·3	008·2
16	002·2	002·8	002·4	002·6	001·5	001·8	002·0	002·6	002·9	003·2	003·7	003·2	003·0	003·0	002·9	002·7	002·8	002·9	003·0	002·8	002·5	002·1	002·2	001·6	002·6
17	001·1	000·5	999·7	998·8	998·4	999·4	000·0	001·0	001·6	002·2	002·4	002·8	003·4	002·9	002·0	001·8	001·1	000·9	001·1	001·0	001·1	001·2	001·5	001·6	001·1
18	001·8	001·9	001·9	001·9	002·4	002·6	002·4	003·1	003·3	004·2	004·0	005·0	005·0	005·5	006·0	006·0	006·4	006·5	006·4	006·3	006·1	006·0	005·7	005·4	004·3
19	005·4	005·1	004·5	003·7	003·0	002·5	002·0	000·9	999·9	998·8	998·2	999·0	999·5	000·1	000·5	000·7	000·7	000·8	001·2	002·1	002·9	003·6	004·2	004·2	001·8
20	004·2	003·8	003·7	003·8	003·4	003·4	003·4	003·3	003·1	003·4	003·0	002·5	001·6	999·7	998·6	998·1	996·8	995·6	994·6	993·3	991·6	990·4	989·3	988·4	999·5
21	987·5	987·0	987·3	987·6	987·4	987·1	987·3	987·3	987·3	987·5	987·5	987·4	988·1	987·9	987·9	988·2	988·0	987·3	987·4	986·9	986·9	987·3	988·0	988·9	987·5
22	989·6	990·0	990·9	991·8	992·6	993·0	993·3	993·9	994·3	994·2	994·2	994·8	994·5	994·5	994·8	995·4	995·3	995·3	995·1	994·8	994·3	994·1	995·1	996·3	993·7
23	997·6	998·7	999·0	999·7	000·1	001·1	001·5	001·7	002·1	002·7	003·5	004·0	004·3	004·4	004·4	004·2	004·2	004·1	003·6	003·7	003·8	003·9	004·3	004·2	002·4
24	004·2	003·9	003·4	003·2	002·9	002·5	002·8	003·0	003·3	003·5	004·0	004·1	004·4	004·1	003·7	003·6	003·5	003·5	004·4	004·2	003·4	002·9	003·2	003·9	003·6
25	003·6	002·7	001·9	001·4	000·9	000·8	000·8	000·4	000·2	999·4	999·5	999·4	999·5	999·8	000·0	000·0	999·9	999·7	999·2	998·0	996·7	994·6	993·1	991·1	999·5
26	989·9	989·1	989·5	990·0	991·0	991·8	992·3	992·9	993·1	993·6	994·4	995·1	995·7	996·2	996·6	997·4	997·9	999·1	999·5	999·9	000·1	000·8	001·4	001·4	995·1
27	001·1	000·9	000·6	999·6	999·2	998·6	998·0	996·9	996·7	996·8	996·7	997·2	997·2	997·4	997·4	997·4	996·7	996·3	996·0	995·4	994·8	994·4	994·2	994·1	997·4
28	993·2	993·3	993·9	994·4	995·1	995·8	996·5	997·0	997·4	998·0	998·8	998·8	998·7	998·6	998·6	998·0	997·7	997·4	997·2	996·9	996·5	996·1	995·6	995·4	996·6
Mean (Station level)	1005 ·06	1004 ·05	1004 ·86	1004 ·76	1004 ·72	1004 ·80	1004 ·92	1005 ·09	1005 ·25	1005 ·30	1005 ·43	**1005 ·48**	1005 ·41	1005 ·21	1004 ·99	1004 ·86	1004 ·76	1004 ·77	1004 ·84	1004 ·74	1004 ·64	**1004 ·58**	1004 ·64	1004 ·69	1004 ·96
Mean (Sea level)	1006 ·74	1006 ·63	1006 ·54	1006 ·44	1006 ·40	1006 ·48	1006 ·60	1006 ·77	1006 ·93	1006 ·98	1007 ·10	**1007 ·15**	1007 ·08	1006 ·88	1006 ·66	1006 ·53	1006 ·43	1006 ·44	1006 ·52	1006 ·42	1006 ·32	**1006 ·26**	1006 ·32	1006 ·37	1006 ·64
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1001·7 mb. is written 001·7. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

273. Cahirciveen (Valencia Observatory) : H_b (height of barometer cistern above M.S.L.) = 13·7 metres. **March, 1922.**

Station Level

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	995·5	995·1	994·5	994·0	994·0	993·9	993·9	994·3	994·9	995·5	996·3	996·9	997·6	998·4	999·4	000·8	002·5	004·9	006·4	008·3	009·8	010·8	012·0	012·5	999·7
2	013·5	014·2	014·8	015·5	015·6	016·0	015·9	016·2	016·1	015·8	015·3	014·7	013·6	012·1	010·6	009·3	008·3	007·8	007·4	007·0	006·6	006·3	006·1	005·6	012·0
3	005·4	005·2	005·6	005·3	006·5	007·0	007·3	007·9	008·5	008·8	008·9	008·7	008·5	007·8	006·7	006·3	005·9	006·1	006·2	005·9	005·4	005·4	005·5	005·9	006·7
4	006·5	006·9	006·9	006·9	007·3	007·7	007·9	008·3	009·1	009·7	010·1	010·3	010·4	010·4	009·8	009·5	008·5	007·7	006·2	004·9	002·5	000·9	998·6	997·4	007·0
5	995·0	994·6	993·6	993·7	993·4	993·2	992·9	993·1	993·2	993·3	993·5	993·9	994·5	994·7	994·7	995·1	995·5	996·0	996·6	997·2	997·4	998·0	998·5	998·6	995·0
6	998·5	998·3	997·9	997·2	996·6	995·6	995·4	994·9	994·4	994·0	993·7	993·4	992·7	991·9	991·6	991·6	992·2	993·1	993·3	993·2	993·0	993·0	992·9	992·7	994·3
7	992·9	992·6	992·3	992·1	992·2	992·2	992·3	992·1	992·1	992·2	992·4	992·5	992·4	992·0	991·9	991·7	991·4	991·5	990·9	990·5	989·6	988·4	987·4	986·9	**991·5**
8	986·8	987·3	987·6	988·9	990·0	991·5	992·9	994·1	995·5	996·0	997·3	997·8	998·4	998·9	999·2	999·3	999·6	000·4	000·9	001·1	001·5	001·8	001·5	001·4	005·9
9	001·5	001·4	000·5	000·6	001·0	001·6	001·9	002·6	003·3	003·6	004·0	004·3	004·6	004·4	004·8	004·9	005·3	006·0	007·4	009·1	010·0	010·9	011·8	012·6	004·7
10	013·5	014·8	015·9	016·6	017·7	018·8	019·9	020·7	021·8	022·6	023·3	024·0	024·0	024·0	024·5	024·5	025·0	025·6	026·1	026·5	027·0	027·4	027·6	027·9	022·2
11	027·9	028·1	027·9	027·8	027·6	027·8	028·0	028·3	028·8	029·1	029·3	029·4	029·4	029·2	029·3	029·2	029·0	029·3	029·7	030·0	030·2	030·1	030·2	030·3	**028·9**
12	030·1	030·0	029·9	029·9	029·8	029·9	029·9	029·9	030·0	029·9	029·5	029·3	029·3	028·5	028·3	027·9	027·5	027·6	027·6	027·5	027·5	027·1	027·2	026·8	**028·9**
13	026·8	026·7	026·5	025·8	025·9	025·8	025·7	025·6	025·0	024·8	024·4	023·7	022·4	023·4	022·9	022·4	022·0	022·4	022·6	022·5	022·9	022·8	022·8	023·0	024·2
14	022·6	022·3	021·6	020·9	019·9	019·7	020·2	020·6	020·5	020·1	020·0	020·0	019·7	019·1	018·5	018·5	018·6	018·7	018·9	019·1	019·0	019·5	019·5	019·7	020·0
15	019·5	019·2	019·6	019·6	019·4	019·5	019·7	019·9	020·2	020·4	020·6	020·2	020·2	020·1	019·8	019·7	019·8	019·8	019·9	020·0	020·1	020·1	020·4	020·3	019·9
16	020·0	019·8	019·6	019·1	019·0	019·1	018·9	018·8	019·0	019·0	018·7	018·9	018·7	017·8	017·7	017·5	017·4	017·6	017·0	017·2	017·6	017·5	016·9	016·9	018·4
17	016·9	015·9	015·0	014·4	014·7	014·6	014·0	014·4	015·0	014·7	014·7	014·4	014·0	013·6	013·4	013·3	013·2	013·2	013·4	013·5	012·9	013·1	013·1	012·8	014·2
18	012·6	012·2	012·3	012·0	011·8	012·1	012·0	012·4	012·8	013·0	013·2	013·0	013·0	012·8	012·7	012·8	013·0	013·4	014·0	014·4	014·5	014·8	014·9	015·1	013·1
19	015·4	014·9	014·8	014·9	014·9	014·8	015·3	015·7	016·4	016·9	017·2	017·3	017·1	016·8	017·0	016·7	016·8	017·4	018·0	018·1	018·3	018·5	018·2	018·3	016·6
20	018·5	019·2	019·2	019·6	019·7	019·9	020·6	021·0	021·2	021·5	021·3	021·0	020·8	020·0	020·5	019·7	020·0	020·7	021·1	021·7	022·1	022·5	022·7	022·7	020·6
21	022·8	023·3	023·3	023·6	023·9	024·1	024·5	025·0	025·6	025·6	025·7	025·6	025·3	024·6	024·3	024·0	024·2	024·6	025·2	026·1	026·3	026·4	026·4	026·4	024·8
22	026·2	025·9	025·2	025·0	024·6	024·5	024·4	024·4	024·5	024·1	023·9	023·9	023·3	022·5	022·1	021·7	021·3	021·1	020·9	021·0	021·1	020·6	020·7	020·5	023·2
23	020·3	020·1	019·8	019·5	019·6	019·7	019·9	020·1	020·2	020·2	020·2	020·1	019·8	019·3	019·0	018·5	017·9	017·6	017·8	017·1	016·8	015·9	014·8	013·9	018·8
24	012·5	011·2	009·3	007·5	006·6	003·9	002·1	001·8	001·6	001·2	000·6	000·4	000·3	999·9	999·9	999·3	999·0	998·8	998·1	997·8	997·5	997·0	996·4	996·3	002·0
25	995·2	994·8	993·9	993·7	993·1	993·1	993·7	993·3	993·6	993·0	992·7	992·6	991·5	991·4	991·3	990·4	990·0	989·8	989·3	989·2	989·4	989·4	989·4	990·2	992·0
26	991·0	992·0	992·7	993·5	994·4	995·0	996·5	997·6	999·3	000·0	000·8	001·4	001·9	002·0	002·5	003·0	003·8	004·9	005·3	006·0	006·9	007·0	006·9	006·9	000·1
27	007·1	006·6	006·3	005·7	005·7	005·7	006·3	007·2	008·4	009·2	010·2	010·7	010·6	010·4	010·8	011·2	011·5	011·6	011·9	012·3	013·0	013·0	013·2	013·2	009·5
28	014·3	014·8	014·6	014·9	015·1	015·4	015·9	016·1	016·2	016·4	016·8	016·9	016·9	017·0	017·0	017·1	017·1	017·8	018·4	019·0	019·1	019·5	019·6	020·0	016·8
29	020·0	019·8	019·8	019·6	019·5	019·4	019·6	019·5	019·4	019·6	019·4	018·9	018·7	018·6	018·0	018·0	017·6	017·3	016·9	016·6	016·4	015·9	015·3	015·1	018·4
30	014·5	013·8	013·1	012·2	011·6	011·0	010·8	010·6	010·1	009·3	008·6	007·8	007·0	005·9	005·1	004·6	004·0	003·6	003·2	003·1	002·8	002·4	002·0	001·6	007·7
31	001·0	000·4	999·8	999·1	998·4	998·2	998·0	998·1	997·9	998·0	998·0	998·0	998·2	998·0	997·9	998·0	998·2	998·0	998·4	998·9	999·6	000·5	000·9	001·3	998·9
Mean (Station level)	1011·13	1011·01	1010·77	**1010·63**	**1010·63**	1010·67	1010·85	1011·11	1011·44	1011·53	**1011·63**	1011·61	1011·45	1011·15	1011·01	1010·85	1010·84	1011·11	1011·26	1011·45	1011·51	1011·50	1011·40	1011·39	1011·16
Mean (Sea level)	1012·82	1012·70	1012·46	**1012·32**	**1012·32**	1012·36	1012·54	1012·80	1013·13	1013·22	**1013·31**	1013·29	1013·13	1012·83	1012·69	1012·53	1012·52	1012·79	1012·95	1013·14	1013·20	1013·19	1013·09	1013·08	1012·85

274. Cahirciveen (Valencia Observatory) : H_b = 13·7 metres. **April, 1922.**

Station Level

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	001·7	003·0	003·0	003·4	004·1	005·3	006·0	006·6	007·3	007·7	008·0	008·4	008·6	008·7	008·6	008·6	008·6	008·8	009·0	009·0	009·1	009·1	008·9	008·3	006·9
2	007·6	006·8	005·9	005·0	004·9	004·2	004·1	004·1	004·0	003·2	002·6	002·0	002·3	001·6	001·4	999·8	999·1	998·0	997·2	996·5	996·0	995·1	993·9	992·4	001·5
3	991·4	990·7	990·0	989·3	988·7	988·7	988·7	988·6	988·9	988·2	988·7	988·6	988·8	989·3	990·4	991·1	992·1	993·4	994·3	995·5	996·4	997·2	998·0	999·0	**991·4**
4	999·8	000·2	000·6	001·2	002·1	002·8	003·3	003·9	004·3	004·5	005·0	005·4	005·8	005·9	005·6	005·3	005·1	004·8	004·7	004·5	004·4	004·1	003·8	003·6	003·7
5	003·4	002·9	002·3	002·2	002·1	002·2	002·4	002·8	003·1	003·5	004·1	004·4	005·1	005·4	006·3	006·5	007·3	008·4	009·0	009·9	010·8	011·2	011·3	011·7	005·[illegible]
6	012·3	012·7	012·9	012·8	013·1	013·3	013·7	013·8	013·8	013·5	013·6	013·2	012·5	012·1	011·4	010·0	009·1	008·4	007·9	007·5	006·7	005·8	004·4	003·8	010·9
7	003·1	002·5	002·1	001·3	000·9	000·9	000·7	000·6	000·5	000·5	000·5	000·5	000·4	000·6	001·0	001·0	001·1	001·7	002·3	003·4	004·3	004·9	004·9	005·4	001·8
8	006·2	006·7	006·8	007·2	007·3	007·3	007·5	008·0	008·3	008·7	008·7	008·9	009·2	009·3	009·4	009·2	009·4	010·0	010·4	011·0	011·4	011·7	011·8	012·2	008·9
9	012·2	012·0	012·0	011·9	012·0	012·1	012·3	012·3	012·4	012·6	012·7	012·6	012·6	012·1	011·6	011·2	010·5	010·0	009·8	009·6	009·2	008·4	007·9	007·5	011·2
10	007·0	005·9	005·0	004·3	003·6	003·1	003·0	002·8	002·4	002·1	001·6	001·1	000·6	000·0	999·6	999·0	998·7	998·8	999·0	999·2	999·3	999·3	999·2	999·2	001·6
11	999·0	998·6	998·3	998·3	998·1	998·2	998·3	998·4	998·4	998·3	998·3	998·7	998·5	998·5	998·3	998·1	998·0	998·1	998·1	998·5	998·9	998·7	998·6	998·3	998·4
12	998·3	997·9	997·2	996·9	995·9	995·1	994·2	993·3	992·7	992·4	991·8	990·4	989·7	989·8	989·8	990·0	990·3	990·8	991·9	992·7	993·9	994·5	995·3	996·0	993·4
13	996·1	996·5	996·7	996·8	997·1	997·2	997·7	998·2	998·5	998·5	999·1	999·3	999·2	998·9	998·9	998·2	998·3	998·5	998·5	998·4	998·3	997·7	997·2	996·6	997·9
14	994·8	993·4	991·7	990·6	989·5	988·2	986·6	983·1	980·7	979·3	978·1	976·7	975·5	974·8	973·5	972·8	971·9	971·2	970·3	970·1	970·5	971·3	972·8	974·7	979·7
15	977·1	979·1	981·1	982·8	984·3	985·6	987·4	988·8	989·6	990·5	992·0	992·7	993·7	995·3	997·2	999·2	001·4	003·3	005·4	007·0	008·8	010·2	011·2	012·2	994·0
16	013·0	013·7	014·2	015·2	016·0	017·5	018·0	018·7	019·8	020·6	021·2	022·0	022·2	022·7	023·2	023·8	024·2	025·1	025·6	026·6	027·4	028·0	028·1	028·7	021·1
17	028·9	029·2	029·4	029·6	030·1	030·4	031·0	031·5	031·9	032·0	032·4	032·4	032·5	032·7	032·8	032·8	032·9	033·1	033·4	033·7	034·3	034·5	034·4	034·5	032·0
18	034·4	034·2	034·0	033·7	033·7	034·0	034·2	034·1	034·1	033·7	033·5	033·3	033·0	032·7	032·3	031·8	031·6	031·7	032·0	032·2	032·1	031·8	031·4	031·3	**033·0**
19	031·0	030·6	030·1	029·8	029·6	029·6	029·5	029·6	029·4	029·1	028·8	028·8	028·5	028·6	028·3	027·9	027·6	027·6	027·5	027·5	027·8	027·7	027·8	028·0	028·8
20	028·1	027·9	027·7	027·5	027·3	027·6	027·7	027·7	028·0	027·7	028·0	028·0	028·0	027·8	027·6	027·1	026·8	026·5	026·4	026·4	026·4	026·0	025·5	025·7	027·3
21	025·1	024·8	023·8	023·1	022·5	022·0	021·6	021·2	020·9	020·4	020·1	020·4	020·7	021·1	021·1	020·9	020·7	020·8	020·9	020·9	021·0	020·8	020·7	020·4	021·6
22	020·1	019·4	018·8	018·2	017·7	017·2	016·6	015·9	015·1	014·3	013·4	012·4	011·6	010·8	010·4	010·3	010·7	011·6	012·5	013·4	014·1	014·7	014·8	015·0	014·7
23	015·2	014·9	014·7	014·6	014·2	014·5	014·1	013·8	013·4	013·2	013·4	013·2	012·7	012·6	012·3	011·9	011·7	011·2	011·1	010·6	010·4	009·9	009·9	009·6	012·7
24	009·7	009·6	009·5	009·6	009·7	010·2	010·8	012·0	011·5	012·2	012·4	013·2	013·8	014·3	014·8	015·2	015·6	016·1	016·4	017·2	017·4	017·5	017·3	016·9	013·3
25	016·6	015·9	015·0	014·1	013·3	012·3	011·1	009·5	006·9	003·5	001·8	000·3	999·5	998·7	998·2	998·3	000·0	000·6	000·9	001·4	001·3	001·3	000·6	000·2	005·4
26	999·4	998·7	998·0	997·4	996·9	997·0	996·8	996·9	997·1	996·8	997·0	997·0	996·7	997·0	996·8	996·5	997·2	997·0	997·0	997·5	998·3	998·9	999·1	999·5	997·5
27	000·0	000·4	000·9	001·4	001·8	002·5	003·3	003·7	004·2	004·7	005·2	005·7	006·5	006·5	006·7	006·8	007·1	007·3	007·7	007·8	008·1	008·1	008·2	008·1	004·9
28	[illegible]	007·3	007·8	008·0	008·0	008·5	009·0	009·2	009·6	009·8	009·8	010·3	010·6	010·6	010·7	011·1	010·9	010·8	011·0	011·3	012·3	012·3	012·4	012·8	010·0
29	012·[illegible]	013·[illegible]	012·9	012·9	012·8	012·9	013·2	013·6	013·8	013·8	013·9	014·1	014·0	014·3	014·4	014·5	014·8	015·3	015·6	016·1	016·8	016·8	016·7	016·6	014·3
30	016·8	016·8	016·8	016·6	016·7	016·9	017·0	017·0	017·3	017·1	017·3	017·2	017·4	017·6	017·6	017·7	017·8	017·9	018·1	018·3	018·5	018·2	017·5	017·0	017·4
Mean (Station level)	1008·97	1008·86	1008·64	1008·52	1008·47	1008·58	1008·66	1008·66	1008·60	1008·41	1008·43	1008·37	1008·34	1008·34	1008·34	**1008·22**	1008·35	1008·56	1008·80	1009·12	1009·47	**1009·52**	1009·45	1009·51	1008·71
Mean (Sea level)	1010·66	1010·55	1010·33	1010·21	1010·16	1010·27	1010·35	1010·34	1010·28	1010·09	1010·11	1010·04	1010·01	1010·01	1010·01	**1009·89**	1010·02	1010·23	1010·47	1010·79	1011·14	**1011·22**	1011·12	1011·20	1010·39
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1001·7 mb. is written 001·7. This note does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

275. Cahirciveen (Valencia Observatory) : H_b (height of barometer cistern above M.S.L.) = 13·7 metres. **May, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	016·5	015·6	015·1	014·9	014·2	014·2	014·2	014·2	014·1	013·5	013·1	012·5	011·7	011·2	010·9	010·3	010·2	010·3	010·2	010·1	010·5	010·6	010·5	010·5	012·6
2	010·6	010·8	010·8	010·8	011·1	011·3	011·3	011·8	012·0	011·8	012·0	012·3	012·5	012·5	012·7	012·6	012·6	012·5	012·2	012·2	011·7	011·0	010·2	009·0	011·6
3	007·9	006·6	006·0	006·1	005·9	006·1	006·2	006·4	006·4	007·0	007·2	007·5	008·2	008·9	009·2	009·3	009·5	009·5	009·4	009·1	009·1	008·9	008·8	008·9	007·8
4	008·7	008·2	007·8	007·0	006·9	007·4	007·5	007·6	008·1	008·1	008·5	008·7	009·2	009·4	009·5	009·6	009·7	009·6	009·7	009·8	009·4	009·4	008·4	008·8	008·6
5	009·3	009·7	010·6	011·3	011·9	012·7	013·6	014·3	014·9	015·5	015·9	016·2	016·6	016·7	017·0	016·8	016·7	016·2	016·0	016·0	016·0	015·5	015·6	015·3	014·5
6	015·0	014·7	014·3	014·1	014·3	014·8	015·3	016·0	016·6	017·1	017·5	018·0	018·6	019·1	019·3	019·7	019·9	020·4	020·9	021·1	021·6	021·8	022·3	022·6	018·0
7	022·9	023·0	023·5	023·7	023·3	023·8	024·5	024·7	025·4	026·3	026·4	026·4	026·7	026·8	026·6	026·3	026·0	026·2	026·0	026·3	026·7	026·7	027·1	026·9	025·4
8	026·8	026·4	026·3	026·1	026·3	026·9	027·3	027·7	027·8	027·9	027·7	027·8	028·0	027·6	027·6	027·6	027·6	027·6	027·5	027·6	027·7	027·6	027·4	027·4	027·3
9	027·3	027·0	026·9	026·1	025·6	025·6	025·3	024·9	024·5	024·3	024·3	024·7	025·3	025·1	025·1	024·9	024·6	024·4	024·5	024·5	024·5	024·4	024·3	024·0	025·2
10	023·6	023·1	022·6	022·3	022·1	021·9	021·7	021·7	021·5	021·6	021·1	020·8	020·4	020·2	019·9	019·2	018·8	018·6	018·0	018·1	018·3	017·9	017·6	017·2	020·5
11	016·5	015·9	015·4	015·1	014·4	014·5	014·4	014·2	014·1	014·0	014·1	014·0	014·1	013·8	013·6	013·2	012·9	012·7	012·6	012·4	013·1	013·6	013·6	013·7	014·1
12	013·8	013·8	013·7	013·6	013·6	014·2	014·4	014·7	015·0	015·1	015·7	015·7	015·9	016·1	016·0	016·4	016·8	017·1	017·7	018·2	018·9	019·3	020·0	020·4	015·9
13	020·4	020·8	020·9	021·2	021·2	021·6	021·9	022·3	022·3	022·5	022·5	022·6	022·6	022·5	022·2	022·2	022·0	022·0	022·0	021·9	021·8	021·6	021·4	021·3	021·8
14	021·1	020·8	020·7	020·2	020·1	020·2	020·2	020·3	020·3	020·1	020·1	020·4	020·4	020·4	020·4	020·3	020·0	020·1	020·2	020·1	020·1	019·9	019·7	019·3	020·3
15	018·9	018·7	018·1	017·6	017·2	017·0	016·7	016·3	016·2	015·9	015·7	015·7	015·4	014·6	014·0	013·3	012·3	011·5	011·1	010·3	009·8	009·0	008·2	007·3	014·5
16	006·5	005·7	005·0	004·6	003·7	003·0	002·8	002·5	002·3	002·0	001·9	001·7	001·5	001·2	001·2	001·0	000·8	000·8	001·1	001·3	001·6	001·6	001·4	001·0	002·5
17	000·5	000·0	999·5	998·9	998·2	997·7	997·7	998·0	998·4	998·7	998·8	998·9	998·7	998·7	999·0	999·0	999·4	000·1	000·7	001·7	002·4	003·1	003·7	004·3	**999·8**
18	004·7	005·5	006·0	006·5	007·1	007·7	008·6	009·3	010·0	010·7	011·4	011·6	012·1	012·7	013·0	013·0	013·1	013·4	013·2	013·1	012·8	012·2	011·6	010·3	010·3
19	010·0	009·9	010·2	010·5	010·9	011·9	013·2	014·1	015·1	015·7	016·6	017·6	017·9	018·6	019·0	019·0	019·3	019·7	019·5	019·4	019·7	019·8	019·9	020·0	015·9
20	020·1	020·0	019·9	020·0	020·1	020·4	020·7	020·9	020·2	020·0	020·0	020·1	019·5	019·3	019·0	018·5	018·2	018·3	018·1	018·1	018·2	017·6	017·3	017·2	019·3
21	017·0	016·6	015·9	015·7	015·6	015·5	015·4	015·2	015·0	014·6	014·3	014·2	014·0	013·4	012·5	012·0	011·0	011·0	010·4	010·0	009·6	009·1	009·3	009·3	013·4
22	009·0	009·1	008·7	008·6	008·7	009·1	009·8	010·3	010·8	010·8	011·1	011·3	011·2	011·0	011·0	010·7	010·3	010·2	009·8	009·5	009·5	009·3	009·3	009·9	009·9
23	007·3	006·2	005·7	005·1	004·4	004·2	004·3	004·5	005·2	006·0	007·0	007·9	008·6	009·2	009·9	010·4	010·9	011·3	011·7	012·1	012·8	013·4	013·5	013·8	008·4
24	013·8	013·9	013·4	013·6	013·7	013·8	014·1	014·4	014·5	014·4	013·9	013·8	013·9	013·9	013·9	013·8	013·9	013·9	014·0	014·4	014·8	015·1	015·1	015·3	014·1
25	015·4	015·6	016·2	015·9	016·2	016·6	017·5	018·4	018·9	019·0	019·3	019·4	019·4	019·3	019·4	019·5	019·4	019·3	019·3	019·2	019·5	019·6	019·7	019·3	018·3
26	019·3	019·2	019·6	020·0	020·9	021·6	022·3	023·0	023·8	024·3	025·0	025·7	026·3	026·9	027·2	027·6	027·6	027·8	028·2	028·6	029·1	029·1	029·2	029·5	024·9
27	029·1	029·0	028·9	029·1	029·1	029·3	029·3	029·4	029·6	029·2	029·2	029·4	029·2	029·1	029·0	028·6	028·5	028·3	028·3	028·1	028·2	028·3	028·1	028·1	**028·9**
28	028·1	027·8	027·5	027·6	027·5	027·5	027·8	027·9	027·9	027·8	027·8	027·7	027·7	027·6	027·4	027·4	027·4	027·4	027·4	027·2	027·7	027·7	027·8	027·6	027·6
29	027·6	027·5	027·3	027·1	027·4	027·7	027·9	028·0	028·0	027·8	028·2	028·3	028·1	028·0	027·9	028·0	028·1	028·2	028·4	028·2	028·6	028·6	028·6	028·6	028·0
30	028·2	028·2	028·2	028·1	027·8	027·6	027·2	027·0	026·7	026·6	026·2	025·9	025·7	025·0	024·7	024·3	023·9	023·7	023·6	023·6	023·6	023·3	023·0	022·7	025·7
31	022·4	022·0	021·7	021·5	021·4	021·3	021·0	020·9	020·5	020·0	019·9	019·6	019·2	018·9	018·5	018·1	017·4	017·2	016·8	016·8	016·9	016·9	016·4	015·8	019·4
Mean (Station level)	1016 ·72	1016 ·49	1016 ·33	1016 ·22	**1016 ·15**	1016 ·36	1016 ·58	1016 ·80	1016 ·97	1017 ·04	1017 ·17	1017 ·30	**1017 ·37**	1017 ·35	1017 ·31	1017 ·18	1017 ·06	1017 ·07	1017 ·05	1017 ·07	1017 ·23	1017 ·16	1017 ·07	1016 ·88	1016 ·91
Mean (Sea level)	1018 ·39	1018 ·16	1018 ·01	1017 ·90	**1017 ·83**	1018 ·04	1018 ·26	1018 ·48	1018 ·63	1018 ·70	1018 ·83	1018 ·96	**1019 ·03**	1019 ·01	1018 ·97	1018 ·84	1018 ·72	1018 ·73	1018 ·71	1018 ·73	1018 ·90	1018 ·83	1018 ·74	1018 ·55	1018 ·59

276. Cahirciveen (Valencia Observatory) : H_b = 13·7 metres. **June, 1922.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	014·8	013·9	013·1	012·8	012·4	011·7	010·9	010·4	010·1	009·2	008·6	008·5	008·7	008·5	008·3	008·0	007·6	007·4	007·3	007·3	007·4	007·7	007·9	008·0	009·8
2	008·3	008·6	009·0	009·5	010·3	011·2	012·1	013·3	014·0	014·2	015·0	015·7	016·1	016·4	016·7	017·2	017·5	018·2	018·6	018·8	019·0	019·7	020·1	020·5	014·7
3	020·7	020·7	020·9	021·0	021·3	021·8	022·3	022·8	023·1	023·2	023·7	023·9	023·9	024·1	024·5	024·5	024·5	024·6	024·7	024·9	024·9	025·2	025·3	025·1	023·3
4	025·1	024·9	024·8	024·7	024·5	024·7	024·6	024·5	024·5	024·2	024·5	024·6	024·5	024·3	024·0	023·6	023·3	023·1	023·1	023·0	023·3	023·5	023·6	023·5	024·1
5	023·3	023·1	022·9	022·7	022·7	023·0	023·0	023·1	023·1	023·0	022·9	022·9	022·7	022·6	022·3	022·1	022·0	021·9	021·7	021·7	021·8	021·6	021·3	021·1	022·5
6	020·9	020·1	020·0	019·6	019·4	019·3	019·3	019·2	019·1	018·8	018·3	018·0	018·0	017·7	017·3	016·8	016·4	016·2	015·9	015·7	015·4	015·3	015·1	014·5	017·9
7	014·1	013·8	013·2	012·6	011·8	011·2	010·7	010·5	010·4	010·1	009·6	009·9	009·4	009·4	009·4	009·4	009·5	009·7	010·0	010·3	010·9	011·0	010·9	010·9	010·9
8	011·1	011·2	011·3	011·6	012·1	012·3	013·0	013·3	013·6	013·7	013·7	014·3	014·3	014·5	014·6	014·6	014·6	014·8	015·0	015·4	015·8	015·6	015·4	015·1	013·7
9	014·7	014·3	013·9	013·6	013·4	013·3	013·2	013·0	013·0	012·6	012·2	012·0	011·7	011·3	011·3	011·0	011·2	011·5	011·5	012·0	012·1	012·1	012·1	012·5	
10	012·2	012·2	012·3	012·5	012·8	013·3	013·7	013·7	014·1	014·1	014·1	014·2	014·8	015·4	015·9	016·4	016·9	017·1	017·5	018·0	018·3	019·0	019·1	019·1	015·1
11	019·1	019·1	019·1	019·2	019·2	019·3	019·4	019·8	020·0	020·0	020·0	019·9	020·0	020·0	020·1	020·1	020·1	020·2	020·5	020·7	021·0	021·0	020·8	020·9	019·9
12	020·7	020·2	020·0	019·9	019·8	019·9	020·0	020·1	020·1	020·1	019·9	019·9	019·6	019·5	019·4	019·3	019·3	019·4	019·7	019·9	020·3	020·9	021·6	021·9	020·0
13	022·3	022·8	023·6	024·3	024·8	025·5	026·3	026·9	027·7	027·9	027·9	028·2	028·4	028·2	028·7	028·6	028·5	028·4	028·7	029·0	029·3	029·0	028·4	027·8	027·0
14	027·4	027·1	026·6	026·4	026·1	025·7	025·2	024·9	024·5	023·2	023·1	022·1	021·3	020·1	019·4	018·2	017·0	016·0	014·2	012·7	011·6	010·7	010·3	010·5	020·5
15	010·1	009·9	010·1	010·5	010·9	011·5	011·9	012·4	013·2	013·4	014·0	014·4	014·9	015·3	015·8	016·0	016·7	017·0	017·7	018·2	019·1	019·6	020·0	020·1	014·5
16	020·1	020·1	020·0	020·0	020·4	021·0	021·1	021·6	021·8	021·7	021·8	022·3	022·5	023·1	023·3	023·8	024·0	024·3	024·9	025·1	025·7	025·9	025·9	026·0	022·6
17	026·1	025·9	025·7	025·7	025·7	026·3	026·4	026·8	027·2	027·3	027·6	027·6	028·1	028·1	028·3	028·5	028·4	028·2	028·1	028·1	028·5	028·6	028·1	027·6	**027·3**
18	027·3	027·1	026·9	026·6	026·5	026·8	026·9	026·9	027·0	027·1	027·1	027·0	027·1	026·7	026·4	026·1	026·1	025·8	026·3	026·1	026·0	025·7	025·4	025·1	026·6
19	024·9	024·4	024·1	024·0	023·8	023·9	023·7	023·8	023·8	023·7	024·0	023·6	023·4	023·1	022·9	022·6	022·1	021·6	021·2	021·0	020·8	020·3	019·6	019·0	022·8
20	018·4	017·7	016·9	016·4	016·1	016·0	017·4	018·3	019·0	019·6	019·9	020·4	020·8	021·3	021·9	022·2	022·4	022·6	023·0	023·4	024·0	024·1	024·1	024·0	020·3
21	023·9	023·7	023·5	023·3	023·3	023·3	023·3	023·3	023·2	023·2	023·2	023·0	022·8	022·8	022·5	022·2	022·0	021·9	022·0	022·0	021·9	022·0	021·8	021·4	022·8
22	020·8	020·4	019·8	019·4	019·0	018·4	017·9	017·5	017·1	016·3	015·3	014·3	013·4	012·3	011·9	011·3	010·8	010·5	010·6	010·7	010·8	010·8	010·6	010·6	014·8
23	010·6	010·6	010·3	010·3	010·5	011·0	011·4	012·0	012·4	012·7	013·2	013·7	014·1	013·8	014·0	014·1	014·1	013·8	013·6	013·3	013·2	012·9	012·4	011·8	012·5
24	011·3	010·8	010·0	009·6	009·5	009·6	009·8	009·8	009·5	009·5	009·7	009·8	009·8	009·9	009·9	009·9	009·9	009·9	010·1	010·3	010·3	010·3	010·3	010·0	
25	009·8	009·6	009·4	009·2	008·9	009·1	008·9	009·2	009·2	009·3	009·0	009·0	008·9	008·7	008·2	007·6	007·1	006·2	005·5	004·6	004·0	003·1	002·4	001·8	007·6
26	001·0	000·3	000·5	000·7	000·9	001·0	001·5	002·2	003·0	003·5	003·7	004·3	004·5	005·1	005·4	006·0	006·2	005·9	006·4	006·2	006·2	006·4	006·2	006·2	**003·8**
27	006·2	006·0	005·9	005·4	005·5	005·1	004·9	004·9	005·0	004·8	004·7	004·6	004·5	004·1	004·4	003·9	003·6	003·4	003·4	003·6	003·9	004·0	004·0	004·1	004·6
28	004·0	004·1	004·3	005·1	005·6	006·1	006·8	007·5	007·8	007·9	008·4	008·9	009·1	009·5	009·8	010·1	010·5	010·8	011·2	011·7	012·1	012·5	012·8	012·9	008·5
29	012·9	012·9	012·8	013·4	013·5	014·1	014·7	015·4	016·2	016·8	017·5	018·1	018·5	018·9	019·3	019·4	019·5	019·2	019·4	019·4	019·7	019·4	019·3	018·9	016·9
30	018·1	017·6	017·3	017·2	017·1	017·0	016·9	017·0	017·0	016·9	016·9	016·5	016·3	016·1	015·3	014·3	013·4	012·7	011·6	010·2	008·9	007·2	005·3	003·9	014·5
Mean (Station level)	1016 ·67	1016 ·44	1016 ·27	**1016 ·24**	1016 ·26	1016 ·41	1016 ·57	1016 ·80	1016 ·99	1016 ·93	1016 ·98	1017 ·05	**1017 ·07**	1017 ·03	1017 ·04	1016 ·93	1016 ·84	1016 ·74	1016 ·77	1016 ·75	1016 ·87	1016 ·84	1016 ·67	1016 ·49	1016 ·75
Mean (Sea level)	1018 ·35	1018 ·12	1017 ·95	**1017 ·92**	1017 ·94	1018 ·09	1018 ·24	1018 ·47	1018 ·66	1018 ·60	1018 ·64	1018 ·71	**1018 ·73**	1018 ·69	1018 ·70	1018 ·59	1018 ·50	1018 ·40	1018 ·44	1018 ·42	1018 ·54	1018 ·51	1018 ·34	1018 ·17	1018 ·42
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

Station Level

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1001·7 mb. is written 001·7. This note does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

277. Cahirciveen (Valencia Observatory) : H_b (height of barometer cistern above M.S.L.) = 13·7 metres. **July, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	003·0	003·3	003·6	003·4	003·1	002·4	001·6	001·0	000·3	999·9	999·9	999·6	000·0	999·9	999·8	999·6	999·3	999·2	999·0	998·8	999·1	999·2	999·2	999·4	000·7
2	999·5	999·7	000·0	000·2	000·7	001·2	001·6	002·2	002·5	002·6	002·7	003·1	003·6	004·2	004·5	004·9	005·1	005·7	005·6	006·0	006·3	006·2	006·2	006·4	003·2
3	005·1	005·2	005·4	005·5	006·0	007·7	008·3	008·8	009·4	010·2	010·6	010·6	010·6	010·5	010·3	009·7	008·8	008·3	007·4	005·9	003·3	002·4	002·9	002·6	007·6
4	002·3	001·5	000·9	001·3	001·6	002·0	002·1	002·1	002·1	002·2	002·5	003·2	003·5	004·2	005·1	005·7	006·2	006·7	007·2	008·0	007·9	008·2	008·2	007·7	004·2
5	007·4	007·0	006·3	005·5	004·7	004·3	003·7	002·7	002·1	001·1	000·4	999·3	998·1	997·0	995·6	994·4	993·9	993·1	992·7	992·3	992·2	992·2	992·2	992·3	999·1
6	992·6	993·1	993·7	994·3	995·7	996·8	998·0	998·8	999·9	000·7	001·7	002·4	003·3	004·1	005·0	006·0	006·6	006·9	007·0	007·3	007·9	008·1	008·1	008·2	001·6
7	008·5	008·7	009·0	009·4	009·8	010·3	010·8	011·5	011·6	011·9	012·3	012·9	012·6	012·2	011·6	011·5	011·3	010·3	010·0	009·0	007·8	006·5	004·9	003·2	010·0
8	000·4	997·9	995·9	994·5	993·3	993·0	992·8	994·3	995·3	996·5	997·8	999·0	000·1	001·2	002·2	003·0	003·7	004·4	005·1	006·2	007·3	008·0	008·7	009·6	000·3
9	010·2	010·3	010·3	010·6	011·2	011·6	012·1	012·6	012·8	012·9	012·8	013·1	013·2	013·3	013·5	013·3	013·3	013·2	013·5	013·4	013·5	013·6	013·8	014·0	012·5
10	013·9	013·6	013·5	013·5	014·0	014·3	014·9	014·9	015·4	015·9	016·4	017·0	017·3	017·5	017·8	018·2	018·6	018·9	019·3	020·2	021·0	021·2	021·8	022·0	017·0
11	022·1	021·8	021·6	021·6	021·8	022·4	022·8	022·5	022·8	022·4	022·4	022·2	022·0	022·1	022·0	021·8	021·4	021·3	021·3	021·4	021·5	021·4	021·6	021·2	021·9
12	020·8	020·5	020·1	019·9	019·8	019·5	019·4	019·9	020·2	020·5	020·6	020·8	020·9	020·7	020·5	020·1	019·7	019·6	019·5	019·1	018·6	018·1	018·0	018·0	019·8
13	019·0	018·8	013·5	012·4	011·6	010·7	009·3	008·0	006·9	005·7	004·7	003·7	002·6	002·1	002·2	002·3	002·3	002·8	003·2	003·4	004·0	004·3	004·5	004·6	006·7
14	004·6	004·5	004·5	004·4	004·3	004·3	004·8	005·1	005·3	005·1	004·9	005·3	005·2	005·1	005·2	004·9	004·8	005·0	005·2	005·4	005·5	005·8	005·7	005·6	005·0
15	005·4	005·5	005·5	005·6	005·8	005·9	006·2	006·5	007·0	007·0	007·5	007·7	008·1	008·7	009·5	009·9	010·5	011·1	011·6	012·0	012·6	012·8	012·8	012·8	008·5
16	012·9	012·9	013·0	012·9	013·0	013·2	013·5	013·9	014·4	014·5	014·8	015·2	015·3	015·4	015·6	015·7	016·0	016·2	016·2	016·4	016·7	016·8	016·7	016·7	014·8
17	016·6	016·3	016·2	015·9	015·8	015·9	015·7	015·8	015·7	015·5	015·5	015·3	015·2	015·0	015·0	015·0	015·1	015·1	015·4	015·6	016·0	016·1	016·5	016·7	015·7
18	016·9	016·7	016·8	017·1	017·2	017·4	017·6	017·7	018·0	018·1	018·3	018·2	018·0	019·2	019·0	019·3	019·2	019·2	019·4	019·7	020·0	020·0	020·0	020·0	018·4
19	019·8	019·8	019·6	019·6	019·4	019·3	019·3	019·4	019·1	019·1	019·1	018·7	018·8	018·3	017·7	017·0	016·3	015·9	015·4	015·2	015·1	014·4	014·2	013·8	017·8
20	013·1	012·3	012·2	011·7	010·5	010·1	009·7	009·4	009·1	008·9	008·9	009·2	009·3	009·4	009·1	009·1	009·4	009·3	009·3	009·4	009·5	009·7	009·6	009·5	010·0
21	009·4	009·3	009·3	009·2	009·2	009·4	009·8	010·0	010·4	010·7	010·8	011·0	011·2	011·5	011·7	011·8	012·0	011·7	012·0	012·4	012·8	012·9	012·6	12·4	010·9
22	012·0	011·8	011·3	011·1	010·7	010·8	010·8	010·5	010·3	009·9	009·6	009·4	009·0	008·6	008·2	007·6	007·3	006·9	006·6	006·6	006·4	005·8	005·6	005·4	009·0
23	004·5	004·1	003·6	003·1	002·8	002·8	002·7	002·7	002·7	002·6	002·5	002·5	002·5	002·7	002·8	003·2	003·8	004·4	005·0	006·0	006·8	007·4	008·3	009·0	004·0
24	009·8	010·6	011·1	011·9	012·5	013·3	013·9	014·8	015·7	016·3	016·5	017·0	017·4	017·8	018·0	018·4	018·3	018·5	018·9	019·4	020·0	020·5	020·3	020·6	016·1
25	020·6	020·3	020·4	020·3	020·4	020·5	020·6	020·7	020·8	020·6	020·8	020·7	020·8	020·2	020·2	019·8	019·5	019·2	018·8	018·1	017·7	017·0	016·5	015·6	019·7
26	014·7	013·8	012·7	011·8	011·4	010·4	010·1	010·5	011·0	011·8	012·8	013·9	014·5	014·9	015·5	015·9	016·2	016·5	017·0	017·6	018·1	018·4	018·7	018·9	014·4
27	018·8	018·9	019·0	018·8	019·5	019·7	020·0	020·1	020·5	020·6	020·7	020·9	020·8	020·7	020·6	020·4	020·5	020·5	020·3	020·5	020·9	021·1	021·0	020·9	020·2
28	021·0	020·6	020·2	020·1	020·1	020·6	020·5	020·5	020·4	020·1	019·8	019·2	018·8	018·2	017·8	017·2	016·7	015·7	015·2	014·7	014·3	013·0	012·7	012·1	018·1
29	011·8	011·2	010·4	010·2	010·0	010·2	010·5	010·6	010·6	010·6	010·6	010·7	010·5	011·0	011·6	012·2	012·9	013·1	013·4	013·6	014·2	014·1	014·2	014·2	011·7
30	014·2	013·9	013·7	013·1	012·9	012·8	012·7	012·9	012·7	012·4	012·2	011·7	011·7	011·5	011·0	010·8	010·7	010·7	010·7	010·8	010·8	010·7	010·6	010·5	012·0
31	010·3	009·9	009·8	009·9	009·9	010·3	010·7	011·4	011·9	012·1	012·9	013·5	013·9	014·2	014·3	014·6	014·9	015·4	015·7	015·8	016·1	016·3	016·4	016·3	013·1
Mean (Station level)	1010 ·94	1010 ·67	1010 ·45	1010 ·32	**1010 ·31**	1010 ·42	1010 ·53	1010 ·70	1010 ·87	1010 ·92	1011 ·07	1011 ·19	1011 ·27	1011 ·33	1011 ·38	1011 ·40	1011 ·43	1011 ·45	1011 ·51	1011 ·62	**1011 ·74**	1011 ·68	1011 ·69	1011 ·58	1011 ·09
Mean (Sea level)	1012 ·61	1012 ·34	1012 ·12	1011 ·99	**1011 ·98**	1012 ·09	1012 ·19	1012 ·36	1012 ·53	1012 ·58	1012 ·72	1012 ·84	1012 ·92	1012 ·98	1013 ·03	1013 ·05	1013 ·08	1013 ·11	1013 ·17	1013 ·28	**1013 ·40**	1013 ·34	1013 ·36	1013 ·25	1012 ·76

278. Cahirciveen (Valencia Observatory) : H_b = 13·7 metres. **August, 1922.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	016·5	016·4	016·2	016·3	016·4	016·4	016·8	017·2	017·7	017·8	018·1	018·5	018·9	019·0	019·2	019·4	019·5	019·5	019·8	020·0	020·1	020·3	020·4	020·2	018·3
2	020·1	019·9	019·7	019·4	018·9	019·1	019·1	019·2	019·2	019·2	019·1	019·1	019·2	019·3	019·2	019·0	018·5	018·2	018·1	017·9	017·8	017·4	016·9	016·3	018·8
3	015·2	014·2	013·4	013·1	012·7	012·2	011·7	011·3	011·0	010·8	010·3	010·3	010·1	010·1	010·1	009·9	009·6	009·5	009·6	009·7	009·8	009·7	009·8	009·8	011·1
4	009·6	009·4	009·2	009·2	009·5	009·7	009·9	010·4	010·7	011·0	011·4	011·5	011·6	011·7	011·6	011·8	011·9	011·9	012·2	012·2	012·4	012·9	013·2	013·1	011·1
5	012·8	012·6	012·3	012·4	012·2	012·3	012·2	012·0	012·0	011·7	011·9	011·8	011·4	010·9	010·7	010·3	010·0	009·8	009·7	009·4	009·4	009·3	009·0	008·9	011·1
6	008·5	008·2	007·8	007·6	007·4	007·2	007·1	006·9	006·6	006·6	006·7	006·7	006·4	006·2	006·1	006·1	006·0	006·0	006·0	006·0	006·1	005·6	005·5	005·5	006·7
7	005·0	004·5	004·2	003·7	003·2	003·0	002·9	002·9	002·6	002·3	002·0	001·7	001·5	001·1	001·5	001·8	001·8	001·8	001·9	002·2	002·2	002·1	002·0	002·1	002·6
8	002·1	001·8	001·9	002·0	002·0	002·4	002·7	002·9	003·4	003·7	004·2	004·6	005·3	006·2	006·3	006·8	007·1	007·8	008·1	008·6	009·2	009·6	010·0	010·5	005·2
9	010·7	010·8	011·2	011·7	012·0	012·4	012·9	013·7	014·4	014·9	015·3	015·9	016·3	017·0	017·3	017·5	017·6	018·1	018·6	018·9	019·0	019·7	019·9	020·2	015·5
10	020·2	020·3	020·5	020·6	021·2	021·5	022·0	022·2	022·7	022·9	023·3	023·3	023·6	023·5	023·7	023·9	023·8	023·9	024·3	024·9	024·8	024·8	024·9	024·9	022·9
11	024·5	024·5	024·2	024·1	024·0	023·8	023·5	023·5	023·4	023·0	022·4	022·1	021·6	021·3	020·3	020·0	019·5	018·6	017·9	016·9	016·1	014·8	013·9	012·7	020·9
12	011·8	010·6	009·7	009·1	009·0	009·1	009·5	009·5	009·6	009·9	010·1	010·5	010·8	010·9	011·1	011·0	011·2	011·4	011·7	012·0	012·5	012·9	013·2	013·1	010·8
13	013·1	013·0	012·9	012·9	013·0	013·1	013·3	013·9	014·3	014·2	014·4	014·5	014·5	014·4	014·3	014·2	014·2	014·0	014·2	014·2	014·4	014·5	014·3	014·4	013·9
14	014·4	014·5	014·2	013·9	013·7	014·2	014·4	014·6	014·9	015·0	015·5	015·5	015·9	016·0	016·0	016·3	016·5	016·8	017·2	017·1	017·5	017·7	017·9	017·7	015·7
15	017·7	017·7	017·7	017·6	017·7	017·6	017·6	017·7	017·5	017·7	017·4	017·0	016·6	016·6	016·5	016·2	015·9	015·2	014·4	013·7	012·9	012·2	011·1	010·1	016·1
16	009·1	009·0	009·5	010·1	010·3	010·7	011·2	011·5	011·3	011·6	011·6	011·4	010·8	009·9	008·8	008·3	007·4	006·6	006·0	005·8	006·8	008·2	009·1	009·7	009·4
17	009·7	009·7	009·7	009·8	009·9	010·4	011·2	012·1	012·7	013·5	014·1	014·4	015·8	016·6	016·8	017·4	018·0	018·6	019·1	020·1	020·7	021·7	022·1	022·3	015·0
18	022·7	022·4	022·3	022·3	022·2	022·5	022·7	022·8	023·2	023·7	024·1	024·4	025·0	025·0	024·9	024·9	025·0	025·1	025·4	025·9	026·0	026·0	026·2	026·2	024·1
19	026·0	025·7	025·5	025·1	025·1	024·9	024·9	024·9	025·1	025·2	025·1	024·9	024·8	024·4	024·0	023·5	023·3	023·0	022·8	022·6	022·4	022·2	021·8	021·7	024·2
20	021·2	020·6	020·1	019·8	019·3	019·3	019·4	019·4	019·5	019·3	019·1	019·0	018·5	018·3	018·3	018·1	017·9	017·8	017·9	017·8	018·0	017·9	017·9	017·6	018·9
21	017·2	016·9	016·9	016·5	016·4	016·5	016·5	016·3	016·3	016·3	016·2	015·7	015·4	015·3	015·1	015·0	014·7	014·4	014·5	014·2	013·7	013·5	013·5	013·6	015·5
22	012·7	012·4	011·9	011·5	011·1	011·2	011·4	011·8	011·8	011·1	011·1	011·3	011·1	011·2	011·2	010·8	010·1	009·7	009·2	008·0	007·7	007·8	008·3	008·1	010·6
23	009·9	010·7	011·4	012·5	013·2	014·1	015·0	015·7	016·5	017·0	017·4	017·8	018·4	018·4	018·2	018·2	018·1	018·2	017·9	017·6	017·5	017·5	016·7	016·1	015·8
24	015·5	014·8	013·7	012·9	012·1	011·5	010·5	009·7	009·3	009·5	009·6	009·5	009·8	009·8	010·0	009·5	009·3	009·3	009·4	009·9	010·1	010·3	010·5	010·8	010·8
25	011·0	011·1	011·3	011·4	011·6	012·2	012·5	013·2	014·1	014·6	015·1	015·7	016·3	017·1	017·4	017·3	017·7	017·9	018·2	018·4	018·8	019·0	018·6	018·5	015·2
26	017·9	017·1	016·2	015·5	014·7	013·8	013·5	012·7	012·2	011·9	011·4	010·7	009·9	009·3	009·5	008·6	007·9	007·7	007·7	007·9	008·2	008·0	007·8	007·6	011·4
27	007·0	006·4	005·8	005·3	004·8	004·8	005·1	005·0	005·0	004·8	004·7	004·7	004·7	004·4	004·2	004·1	004·1	004·1	004·3	004·6	005·1	005·3	005·2	005·3	004·8
28	005·1	005·0	004·9	004·9	005·2	005·2	005·6	006·0	006·2	006·5	006·7	006·7	006·7	006·8	006·9	006·8	006·9	007·2	007·7	008·2	008·4	008·3	008·1	007·8	006·5
29	007·6	007·1	006·6	006·1	005·7	005·3	004·6	004·3	003·5	002·8	001·8	000·9	999·8	998·9	997·5	996·3	995·0	994·1	993·6	993·7	994·7	994·9	994·9	995·1	000·5
30	994·7	994·4	994·1	994·0	994·0	994·2	994·5	994·7	994·8	994·7	994·7	994·7	995·2	995·4	995·7	996·1	996·6	997·0	997·6	998·5	999·5	000·0	000·4	000·6	996·0
31	001·2	001·1	001·2	001·2	001·4	002·2	002·9	003·3	003·8	003·7	004·0	004·3	004·3	004·4	004·7	004·6	004·8	005·2	005·6	006·1	006·6	006·6	006·6	006·7	003·9
Mean (Station level)	1012 ·60	1012 ·35	1012 ·13	1012 ·02	**1011 ·93**	1012 ·03	1012 ·17	1012 ·30	1012 ·43	1012 ·49	1012 ·55	1012 ·57	1012 ·59	1012 ·56	1012 ·49	1012 ·38	1012 ·25	1012 ·21	1012 ·28	1012 ·33	1012 ·54	1012 ·58	1012 ·58	1012 ·52	1012 ·37
Mean (Sea level)	1014 ·26	1014 ·01	1013 ·79	1013 ·68	**1013 ·59**	1013 ·69	1013 ·83	1013 ·96	1014 ·09	1014 ·14	1014 ·20	1014 ·22	1014 ·24	1014 ·21	1014 ·14	1014 ·03	1013 ·90	1013 ·86	1013 ·94	1013 ·99	1014 ·20	1014 ·24	1014 ·24	1014 ·18	1014 ·03
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1001·7 mb. is written 001·7. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

279. Cahirciveen (Valencia Observatory) : H_b (height of barometer cistern above M.S.L.) = 13·7 metres. **September, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	007·2	007·2	007·5	008·0	008·1	008·4	009·1	009·5	010·0	010·3	010·6	010·8	011·2	011·3	011·8	012·0	012·5	013·1	013·5	014·0	014·5	014·5	014·7	014·9	010·9
2	015·1	015·1	014·9	015·0	015·1	015·8	016·0	016·1	016·1	016·3	016·6	016·7	016·7	017·1	017·0	017·2	017·3	017·5	017·5	017·6	017·9	017·5	017·0	016·6	016·5
3	016·0	015·5	015·1	014·6	014·5	014·3	014·6	014·8	014·8	015·0	015·4	015·6	016·0	016·6	016·6	016·9	017·0	017·2	017·4	018·1	018·8	018·6	019·0	019·1	016·3
4	019·1	019·3	019·3	019·3	019·6	019·9	020·1	020·2	020·7	020·8	020·8	020·9	021·0	021·0	021·0	020·8	020·7	020·8	021·0	021·1	021·7	021·8	021·5	021·1	020·5
5	020·6	020·4	020·2	019·9	019·9	019·9	020·1	020·6	020·7	020·7	021·1	021·5	021·6	021·8	022·1	022·4	022·9	023·4	023·8	024·7	025·4	025·8	026·3	026·5	022·1
6	026·6	026·6	026·8	027·0	027·1	027·5	027·9	028·1	028·5	028·6	028·7	029·1	028·8	028·5	028·1	028·1	027·9	028·2	028·5	028·9	029·2	029·2	029·1	029·1	028·1
7	028·8	028·7	028·4	028·1	028·0	028·1	028·7	028·9	029·1	029·1	029·1	029·0	029·0	029·1	028·6	028·7	028·7	028·9	029·1	030·1	030·5	030·8	031·0	031·1	029·1
8	031·1	031·1	031·0	031·1	031·4	031·4	031·8	032·0	032·1	032·1	032·3	032·5	032·1	031·9	032·0	031·6	031·7	031·6	031·9	032·2	032·5	032·3	032·0	031·9	**031·8**
9	031·7	031·3	031·0	030·6	030·6	030·7	030·9	031·0	030·7	030·5	030·4	029·9	029·7	029·0	028·9	028·3	028·0	028·0	027·9	028·0	027·9	028·0	027·7	027·5	029·6
10	027·1	026·9	026·8	026·5	026·5	026·6	026·8	026·8	026·9	026·9	026·6	026·5	026·3	026·0	025·8	025·4	025·0	025·0	025·2	025·2	025·2	025·2	025·0	024·6	024·2	026·1
11	024·0	023·4	022·8	022·2	021·8	021·2	021·1	020·8	020·4	019·6	019·0	018·5	017·8	016·8	015·7	014·9	014·2	013·2	012·1	011·3	010·2	008·7	007·3	005·5	017·2
12	003·2	002·3	001·2	999·8	998·3	996·9	995·1	993·5	992·3	991·9	991·5	991·0	990·5	990·0	989·3	988·7	988·3	988·1	987·7	987·4	987·3	986·7	985·9	985·4	992·6
13	984·9	984·8	984·9	985·5	985·5	986·0	986·3	986·9	987·2	987·0	987·2	987·0	988·7	989·5	989·9	990·7	991·3	991·7	992·0	992·5	993·0	993·1	993·5	993·6	988·7
14	993·9	994·8	995·7	996·5	997·4	998·4	999·9	000·8	001·5	002·9	004·2	005·0	006·1	007·1	008·1	008·9	009·9	010·7	011·7	012·9	013·5	014·2	015·0	015·3	004·7
15	016·0	016·3	016·7	017·1	017·6	018·3	019·0	019·6	020·1	020·3	020·8	020·9	020·9	020·9	020·4	020·3	020·4	020·2	020·0	019·9	019·4	018·9	018·3	017·4	019·1
16	016·6	016·1	014·9	014·5	013·9	013·3	013·2	013·1	013·0	012·5	011·6	010·9	010·4	010·1	010·1	009·7	010·0	010·0	009·9	009·8	009·8	009·6	009·3	009·2	011·9
17	009·3	009·4	009·5	009·7	010·2	010·6	011·4	012·1	012·8	013·4	014·4	014·9	015·6	016·4	016·6	017·5	018·1	018·6	019·6	020·4	021·0	021·6	021·9	022·3	015·0
18	022·6	022·7	022·7	023·0	023·0	023·3	023·9	024·1	024·4	024·6	024·5	024·6	024·4	024·2	024·1	024·0	023·6	023·5	023·0	023·0	022·3	021·1	020·1	019·3	023·2
19	018·0	016·9	015·9	015·6	015·0	014·8	014·5	014·7	014·8	015·1	015·0	015·2	015·4	015·0	014·7	014·7	014·5	014·9	015·1	015·8	016·4	016·5	017·0	017·6	015·6
20	018·5	018·9	019·0	019·4	019·8	019·8	020·7	021·1	021·5	021·7	021·5	021·0	020·7	020·2	020·5	020·1	020·0	019·8	020·1	020·2	020·3	020·3	020·3	020·2	020·2
21	020·0	020·0	019·9	019·2	019·0	018·9	019·2	019·6	019·8	019·8	020·1	020·2	020·4	020·3	020·3	020·2	020·2	020·3	020·3	020·4	020·7	020·8	020·8	020·8	020·0
22	020·6	020·5	020·5	020·2	020·2	020·3	020·5	020·5	020·7	021·1	021·2	021·0	020·9	020·9	020·7	020·7	020·4	020·4	020·2	020·2	020·1	020·1	020·1	019·8	020·5
23	019·6	019·3	018·9	018·4	018·1	017·7	017·4	017·3	017·5	017·5	017·2	016·7	016·5	016·2	015·7	015·6	015·5	015·4	015·4	015·7	015·6	015·6	015·5	015·4	016·9
24	015·1	014·7	014·9	014·6	014·5	014·7	014·7	014·5	014·5	014·2	013·8	013·2	012·7	011·8	011·5	010·5	009·6	008·9	008·0	007·7	006·3	004·7	003·2	001·7	011·5
25	998·8	998·8	996·0	994·7	993·7	992·3	991·6	990·5	989·4	988·9	988·3	987·9	987·3	986·5	986·1	985·6	985·3	984·9	984·6	984·8	984·2	984·0	983·1	982·8	989·1
26	982·0	981·4	981·0	979·9	979·6	978·6	978·4	978·1	978·1	978·2	978·6	978·7	978·9	979·1	979·3	979·6	979·9	980·5	980·7	981·1	981·5	081·9	982·5	983·3	**980·0**
27	984·2	985·0	985·7	986·4	987·3	988·4	990·6	991·8	993·3	994·5	996·0	996·3	997·8	998·8	999·5	000·3	001·2	001·8	002·9	003·5	003·7	004·7	005·1	005·4	995·5
28	006·0	006·3	006·4	007·0	007·3	007·8	008·5	009·1	009·4	010·2	011·1	011·5	011·9	012·8	013·8	014·4	015·2	016·0	016·8	017·8	018·8	019·2	019·5	020·6	012·1
29	020·8	020·8	020·5	020·9	021·2	021·4	021·7	022·2	022·0	021·6	021·9	021·7	021·6	020·2	020·3	019·1	018·5	017·9	017·8	017·4	016·9	016·7	016·3	016·1	019·9
30	015·8	015·6	015·4	015·2	015·4	015·4	015·6	015·6	015·6	015·3	015·2	014·9	014·7	014·3	014·2	014·2	014·5	015·2	016·1	017·1	017·8	018·2	018·7	018·7	015·7
Mean (Station level)	1013 ·77	1013 ·67	1013 ·45	1013 ·33	**1013 ·32**	1013 ·36	1013 ·64	1013 ·80	1013 ·93	1014 ·02	1014 ·16	1014 ·15	1014 ·19	1014 ·11	1014 ·09	1014 ·04	1014 ·08	1014 ·19	1014 ·33	1014 ·63	**1014 ·75**	1014 ·67	1014 ·54	1014 ·41	1014 ·02
Mean (Sea level)	1015 ·43	1015 ·33	1015 ·12	1015 ·00	**1014 ·99**	1015 ·03	1015 ·31	1015 ·46	1015 ·59	1015 ·68	1015 ·81	1015 ·80	1015 ·84	1015 ·76	1015 ·74	1015 ·69	1015 ·74	1015 ·85	1015 ·99	1016 ·29	**1016 ·41**	1016 ·33	1016 ·20	1016 ·07	1015 ·68

280. Cahirciveen (Valencia Observatory) : H_b = 13·7 metres. **October, 1922.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	018·9	019·2	019·0	019·1	019·1	019·0	019·4	019·8	019·7	019·7	020·2	019·9	019·7	019·7	019·5	019·3	019·4	019·8	020·1	020·1	020·2	019·9	020·0	019·7	019·6
2	019·5	019·2	019·1	019·0	018·9	018·7	018·4	018·1	018·4	018·6	018·0	018·0	018·0	017·6	017·2	016·9	016·7	016·9	016·3	016·0	015·2	015·1	015·1	014·8	017·6
3	014·3	013·8	012·7	012·1	011·8	011·6	011·7	011·5	011·4	011·2	011·4	011·0	010·3	009·8	009·5	009·0	008·9	008·7	008·7	008·6	008·6	008·4	008·6	008·9	010·6
4	008·8	008·8	008·3	007·8	007·2	007·3	007·5	007·8	007·8	007·7	007·3	006·8	006·6	006·6	006·6	006·3	006·0	005·8	006·0	006·2	006·4	006·1	005·9	005·7	007·0
5	005·7	005·9	006·2	006·4	006·8	007·2	008·0	008·7	009·9	010·6	011·2	012·0	012·6	013·2	014·0	014·8	015·2	015·6	016·2	017·0	017·8	018·2	018·8	019·2	011·9
6	019·7	020·1	020·3	020·6	020·8	021·0	021·4	022·0	022·5	022·9	023·2	023·4	023·5	024·0	024·2	024·5	024·8	025·0	025·2	025·6	025·7	025·7	026·0	026·0	023·1
7	026·1	026·0	026·1	026·2	026·2	026·5	026·6	026·7	026·9	027·2	027·4	027·3	027·1	027·0	027·0	026·8	026·9	027·0	027·1	027·5	027·8	027·6	027·8	027·7	026·9
8	027·6	027·6	027·5	027·4	027·4	027·3	027·4	027·7	028·3	028·3	028·0	027·9	027·5	027·2	026·9	027·0	027·1	027·1	027·2	027·3	027·3	027·1	027·1	026·7	**027·4**
9	026·5	026·1	025·7	025·3	024·9	024·7	024·6	024·7	024·6	024·5	024·2	024·0	023·4	023·0	022·6	022·2	022·3	022·5	022·2	022·2	022·2	022·4	021·8	021·5	021·2	023·7
10	020·8	020·5	020·2	019·5	019·2	019·1	018·9	018·8	018·8	018·7	018·2	017·7	017·0	016·4	016·2	015·7	015·2	015·0	015·0	015·0	014·8	014·6	013·9	013·3	012·9	017·3
11	012·3	011·6	010·7	010·4	009·8	009·7	009·2	009·1	008·9	008·4	008·0	007·7	007·2	006·8	006·3	006·0	005·6	005·2	004·9	004·7	004·5	004·1	003·9	003·2	007·6
12	002·9	002·8	002·5	002·9	003·7	004·0	004·5	005·1	006·1	006·9	007·3	007·7	007·4	007·3	007·2	007·0	006·8	006·9	006·7	006·6	006·3	006·2	006·1	005·9	005·6
13	005·8	005·4	005·0	004·8	004·5	004·4	004·6	004·7	005·1	005·4	005·7	006·3	006·1	006·2	006·3	006·4	006·9	007·6	008·0	008·4	009·2	009·9	010·1	010·6	006·5
14	010·7	011·1	011·1	010·7	010·9	011·2	011·3	011·8	012·3	012·1	011·8	011·8	011·1	010·8	010·9	010·5	010·5	010·7	010·2	009·9	009·8	009·6	009·6	009·9	010·9
15	009·4	008·3	008·3	007·7	008·0	007·8	007·4	007·5	006·9	006·5	006·2	006·0	006·1	005·4	005·5	005·3	004·2	004·2	004·6	004·5	004·2	005·4	005·7	005·4	006·4
16	005·3	006·4	006·0	005·9	006·1	006·0	006·1	005·5	005·0	006·2	006·7	006·9	006·8	006·6	006·7	006·5	006·8	007·4	007·9	008·2	008·6	008·7	008·9	008·9	006·8
17	008·7	008·9	008·9	008·9	009·0	009·1	008·8	009·7	010·0	010·0	010·2	010·5	010·5	009·8	009·8	009·9	009·8	010·1	010·3	010·7	010·9	011·3	011·5	011·5	009·9
18	011·7	011·7	011·4	011·9	011·9	011·8	011·6	011·5	012·5	013·3	012·9	013·5	013·5	014·2	013·7	014·1	014·7	015·3	016·2	016·6	017·2	017·7	018·0	018·6	013·8
19	018·8	019·1	018·7	018·8	019·4	020·0	020·5	021·2	021·9	022·1	022·6	022·5	022·0	022·1	021·9	022·0	022·2	022·4	022·8	023·1	023·1	023·0	023·0	022·9	021·4
20	022·4	021·8	021·2	021·2	020·8	020·6	020·0	020·5	020·0	019·6	019·4	019·1	019·2	018·2	018·0	017·7	017·5	017·6	017·8	017·9	017·1	017·4	017·0	017·2	019·3
21	017·5	017·0	016·6	016·0	017·0	016·7	016·5	016·6	016·7	016·6	017·8	017·6	016·1	015·7	015·8	015·9	016·2	016·4	016·5	016·7	016·5	016·5	016·5	016·3	016·6
22	016·4	016·4	016·3	016·0	016·0	015·9	016·2	016·6	016·9	016·9	016·7	016·5	016·1	015·7	015·5	015·5	015·4	015·7	016·0	016·3	016·5	016·4	016·3	016·1	016·2
23	016·0	015·6	015·3	015·2	015·4	015·4	015·5	016·1	016·2	016·4	016·7	017·0	017·0	016·7	016·8	016·9	017·0	017·4	017·9	018·4	018·8	018·9	018·8	019·0	016·8
24	019·2	019·2	019·2	019·1	019·4	019·5	019·7	020·2	020·9	021·2	021·3	021·3	021·0	020·6	020·6	020·1	020·1	020·4	020·9	021·0	020·9	020·8	020·6	020·6	020·3
25	019·8	019·7	019·4	019·0	018·9	018·8	018·6	018·6	018·6	018·4	018·4	018·2	017·4	016·8	016·5	015·9	015·9	015·6	015·3	014·2	014·3	013·8	013·2	012·4	017·2
26	011·6	010·6	009·5	008·6	007·8	006·5	005·5	005·3	005·2	004·6	004·3	003·8	003·1	002·2	001·5	001·5	001·5	002·1	002·6	003·2	003·7	004·7	004·6	005·1	**005·1**
27	005·4	006·1	006·3	006·4	007·3	008·1	008·5	009·7	011·4	012·1	013·1	013·2	013·5	014·1	014·5	014·9	015·6	016·3	017·0	017·4	018·0	018·1	018·1	018·2	012·4
28	018·3	018·4	018·3	018·3	019·1	019·5	019·8	020·5	021·1	021·1	021·0	020·8	020·6	019·7	019·6	019·3	019·0	019·3	019·5	019·7	019·7	019·3	019·0	018·3	019·5
29	017·9	017·0	016·3	015·9	015·5	015·0	014·6	014·6	014·6	013·9	013·5	012·4	011·3	010·4	009·9	009·1	008·6	008·7	008·8	008·5	008·6	008·3	007·9	007·9	012·3
30	007·9	007·7	007·4	007·6	007·8	008·0	008·3	008·9	010·0	010·1	010·2	010·2	010·3	010·4	010·8	011·1	011·2	011·8	012·7	013·4	013·7	013·8	014·6	014·5	015·0	010·5
31	015·3	015·0	015·2	015·2	015·5	015·2	015·1	015·2	015·3	014·9	013·9	013·5	012·7	012·2	011·4	009·9	008·9	009·1	008·0	006·5	004·2	002·1	998·9	995·9	011·2
Mean Station level	1014 ·88	1014 ·74	1014 ·47	1014 ·32	1014 ·39	1014 ·37	1014 ·39	1014 ·67	1014 ·97	1015 ·03	**1015 ·06**	1014 ·98	1014 ·67	1014 ·40	1014 ·27	1014 ·13	**1014 ·12**	1014 ·35	1014 ·50	1014 ·56	1014 ·57	1014 ·53	1014 ·40	1014 ·25	1014 ·56
Mean (Sea level)	1016 ·56	1016 ·42	1016 ·15	1016 ·00	1016 ·07	1016 ·05	1016 ·07	1016 ·35	1016 ·65	1016 ·70	**1016 ·73**	1016 ·65	1016 ·34	1016 ·06	1015 ·94	1015 ·80	**1015 ·79**	1016 ·02	1016 ·17	1016 ·23	1016 ·24	1016 ·20	1016 ·08	1015 ·93	**1016 ·23**
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1001·7 mb. is written 001·7. This note does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

281. Cahirciveen (Valencia Observatory) : H_b (height of barometer cistern above M.S.L.) = 13·7 metres. **November, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	993·2	992·2	991·5	991·0	991·8	992·7	993·9	995·5	995·0	997·5	998·6	999·2	000·4	000·9	001·7	002·9	003·8	005·3	006·1	007·1	007·7	008·6	009·5	009·9	999·6
2	010·1	010·1	010·4	010·5	010·7	010·8	010·6	010·9	010·9	010·5	010·8	010·3	009·5	008·6	007·3	007·2	006·3	005·7	005·0	003·6	002·5	001·8	000·8	999·7	007·9
3	998·8	997·8	997·5	997·2	997·3	997·3	997·6	998·4	999·1	998·9	999·1	998·8	998·3	997·5	997·4	997·4	997·2	997·2	998·3	999·1	000·3	001·9	003·1	004·2	998·6
4	005·4	007·1	008·7	009·5	010·1	010·4	012·6	013·6	014·4	015·1	016·4	016·3	016·5	016·5	016·6	017·1	017·3	017·3	017·4	017·4	016·7	016·7	015·9	015·5	014·0
5	014·7	014·0	012·3	011·3	010·0	008·6	007·3	006·1	004·9	004·0	002·6	001·2	000·1	999·2	998·1	996·9	995·6	993·8	992·3	991·3	989·8	987·9	986·0	983·8	001·2
6	983·3	982·0	981·8	981·8	982·2	983·1	984·0	985·1	986·1	986·6	987·9	988·2	988·6	988·7	989·2	989·4	989·8	990·2	991·9	993·0	994·1	995·0	995·2	995·8	**987·8**
7	995·9	998·2	999·7	001·0	002·3	003·2	004·3	006·1	006·4	007·2	007·7	008·4	008·2	008·5	008·8	008·4	008·1	008·0	008·0	007·7	007·0	006·3	005·8	004·9	005·3
8	004·1	003·1	002·2	001·7	001·7	002·2	002·7	003·4	004·4	005·4	006·4	007·5	008·4	008·6	010·0	010·8	011·8	012·5	013·7	014·3	014·7	015·7	016·3	016·9	008·0
9	017·0	017·7	017·2	017·4	017·6	017·8	017·4	017·4	017·3	016·7	015·9	015·4	014·2	012·7	011·9	010·4	008·9	008·4	007·8	006·8	005·3	003·9	002·6	001·8	012·8
10	999·7	997·2	995·2	996·9	998·7	999·7	000·6	001·8	003·5	004·3	005·3	006·3	007·2	008·2	009·6	011·0	012·6	014·1	015·4	016·0	017·1	018·3	019·2	019·9	007·1
11	020·7	021·5	022·1	022·2	022·5	023·3	024·1	024·7	025·3	025·6	025·8	025·6	025·6	025·6	025·7	025·4	025·7	026·4	026·2	026·0	026·4	026·2	026·1	026·3	024·7
12	026·2	026·0	025·9	025·8	025·7	025·8	025·6	025·8	026·1	026·2	026·5	026·3	026·0	026·1	026·1	026·4	026·3	026·4	026·4	026·5	026·6	026·6	026·9	027·2	026·2
13	027·4	027·4	027·5	027·6	027·5	027·7	028·0	028·5	028·8	029·1	029·2	029·1	029·0	028·8	028·8	028·8	028·9	029·5	029·9	030·0	030·2	030·2	030·3	030·7	028·8
14	030·8	030·8	030·9	030·9	031·5	031·7	032·1	032·6	033·2	033·8	034·3	034·0	033·9	034·0	034·2	034·9	035·5	035·9	036·2	036·7	036·9	037·2	037·3	037·5	033·9
15	037·5	037·7	037·7	037·7	037·8	038·0	038·1	038·7	039·3	039·6	040·0	039·8	039·5	039·3	039·5	039·6	039·7	040·1	040·5	040·9	041·0	041·0	041·0	041·1	039·3
16	040·9	040·9	041·1	041·0	041·1	041·0	041·0	041·2	041·7	041·8	042·0	041·7	041·6	041·2	041·0	041·0	041·1	041·4	041·5	041·8	041·9	041·9	041·7	041·9	**041·4**
17	041·7	041·3	041·0	040·8	040·8	040·8	040·9	040·8	041·1	040·9	040·8	040·6	039·8	039·2	038·6	038·1	038·2	038·0	038·0	037·9	037·8	037·7	037·3	037·4	039·7
18	036·7	035·2	035·6	035·2	034·5	034·5	034·3	034·6	034·5	034·3	034·1	033·3	032·9	032·2	031·6	031·7	031·6	031·9	031·7	031·6	031·4	032·0	032·0	032·1	033·5
19	031·8	031·8	031·6	031·3	031·0	030·9	030·7	030·7	030·7	030·4	030·2	029·5	029·1	028·8	028·8	028·4	028·6	028·8	028·7	028·9	029·2	029·1	029·0	028·9	029·9
20	028·6	028·4	028·1	027·9	028·0	028·3	028·0	028·3	028·5	028·5	028·8	028·5	028·3	028·1	028·1	027·9	028·0	028·2	028·2	028·3	028·3	028·4	028·3	028·3	028·3
21	028·2	028·2	028·2	028·1	028·0	027·7	027·7	028·2	028·5	028·4	028·4	028·1	027·8	027·3	027·2	027·3	027·4	027·5	027·8	027·8	027·8	027·3	027·6	027·6	027·9
22	027·5	027·2	027·0	027·0	027·0	026·9	027·0	027·2	027·4	027·7	027·9	027·9	027·7	027·5	027·4	027·6	027·6	028·1	028·4	028·8	029·1	029·2	029·1	029·7	027·8
23	029·5	029·7	029·8	030·1	030·5	031·0	031·3	031·7	032·1	032·5	032·9	033·0	033·1	033·0	033·1	033·1	033·4	034·1	034·4	034·7	035·0	035·0	035·2	035·5	032·5
24	035·5	035·7	036·1	036·1	036·3	036·7	037·0	037·3	037·9	038·2	038·2	038·2	038·0	037·9	038·0	038·1	038·2	038·4	038·6	038·8	039·1	039·0	038·8	038·8	037·6
25	038·7	038·7	038·6	038·3	038·3	038·1	038·3	038·5	038·5	038·3	038·4	037·9	037·2	036·9	036·8	036·4	036·3	036·6	036·4	036·1	036·0	035·7	035·4	035·3	037·4
26	035·1	034·8	034·5	034·0	033·9	033·8	033·6	033·5	033·8	033·9	033·8	033·4	033·4	033·1	032·8	032·8	033·0	033·3	033·5	033·5	033·7	033·8	033·9	034·0	033·7
27	034·0	033·9	034·0	033·8	033·9	034·1	034·4	034·6	034·9	035·0	035·3	034·9	034·7	034·3	034·4	034·4	034·5	035·1	035·3	035·4	035·6	035·7	035·5	035·5	034·7
28	035·1	034·6	034·0	033·5	033·3	033·0	032·7	032·7	032·7	032·6	032·1	031·7	031·2	030·6	030·4	030·1	029·9	030·1	030·1	030·0	029·9	029·7	029·3	029·0	031·7
29	028·7	028·2	027·9	027·6	027·3	027·2	027·2	027·3	027·2	027·2	027·4	026·9	026·0	025·3	025·1	025·0	024·9	024·6	024·3	024·0	023·9	023·7	023·0	022·5	026·1
30	022·0	021·5	021·0	020·5	019·9	019·7	019·1	018·9	019·0	018·6	018·6	017·9	018·5	018·5	018·7	018·9	019·0	019·3	019·7	019·8	020·0	020·5	020·7	020·9	019·7
Mean (Station level)	1022 ·00	1021 ·80	1021 ·67	**1021 ·59**	1021 ·71	1021 ·87	1022 ·07	1022 ·47	1022 ·81	1022 ·96	1023 ·18	1023 ·00	1022 ·82	1022 ·57	1022 ·56	1022 ·58	1022 ·64	1022 ·87	1023 ·06	1023 ·13	1023 ·17	**1023 ·20**	1023 ·09	1023 ·09	1022 ·56
Mean (Sea level)	1023 ·69	1023 ·49	1023 ·36	**1023 ·28**	1023 ·40	1023 ·56	1023 ·76	1024 ·16	1024 ·50	1024 ·65	1024 ·87	1024 ·69	1024 ·50	1024 ·25	1024 ·25	1024 ·27	1024 ·33	1024 ·56	1024 ·75	1024 ·82	1024 ·86	**1024 ·89**	1024 ·78	1024 ·78	1024 ·25

282. Cahirciveen (Valencia Observatory) : H_b = 13·7 metres. **December, 1922.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	021·0	020·9	020·8	021·5	021·1	021·4	021·6	021·9	022·8	023·0	023·4	023·5	023·2	023·5	023·7	023·9	023·7	024·0	024·3	024·8	025·3	025·4	025·6	025·7	023·1
2	025·8	025·7	025·7	025·6	025·8	025·6	025·6	025·9	026·7	026·8	027·6	027·3	027·2	027·4	027·5	027·5	027·5	027·5	027·6	028·0	028·2	028·3	028·7	028·9	026·9
3	028·9	028·7	028·9	028·7	028·7	028·6	029·0	029·3	030·0	030·2	030·8	030·4	030·3	030·0	029·9	030·1	030·3	030·7	031·0	031·1	031·4	031·4	031·5	031·8	030·0
4	031·6	031·4	031·5	031·6	031·4	031·5	031·6	031·7	032·3	032·5	032·7	032·4	032·2	031·8	031·7	032·0	032·2	032·3	032·4	032·2	032·2	032·3	032·3	032·5	032·0
5	032·3	031·9	031·8	031·4	031·2	031·0	031·0	031·0	030·9	031·2	031·0	031·1	030·4	029·8	029·8	029·5	029·8	030·6	031·1	031·2	032·0	032·5	033·1	033·3	031·2
6	033·6	033·3	033·2	033·1	033·4	033·4	033·3	033·8	034·0	034·1	034·3	033·9	033·5	033·3	033·3	033·0	033·3	033·6	033·6	033·7	033·6	033·5	033·7	033·4	**033·5**
7	032·9	032·8	032·7	032·2	032·0	032·0	031·8	031·7	031·7	031·6	031·2	030·6	029·7	028·8	028·6	028·2	028·0	027·7	027·5	027·5	027·3	026·8	026·2	025·6	030·0
8	025·0	024·5	024·2	023·6	023·2	023·1	023·1	023·0	022·9	022·6	022·4	021·6	021·2	020·8	021·0	020·9	021·1	021·0	021·1	021·6	021·8	022·1	022·2	022·5	022·4
9	022·6	022·7	022·8	022·8	023·1	023·6	023·7	024·1	024·4	024·6	024·7	024·9	024·8	025·0	025·1	025·5	025·8	026·3	026·7	027·0	027·1	027·4	027·2	027·0	024·9
10	026·8	026·7	026·6	026·6	026·6	026·6	026·8	027·0	027·1	027·6	027·9	027·6	027·2	026·6	026·1	026·0	026·1	026·3	026·1	026·2	025·8	025·2	025·0	024·4	026·5
11	023·9	023·4	023·1	022·6	022·0	021·3	020·7	020·2	020·0	019·6	019·2	018·5	017·6	016·5	016·0	015·5	015·0	014·9	014·5	015·1	015·3	015·3	015·4	016·3	018·6
12	016·4	016·5	016·7	016·8	016·7	016·0	016·0	016·0	015·8	015·2	015·0	014·3	013·3	012·9	012·6	012·4	012·3	011·8	011·6	011·3	011·1	011·0	010·8	010·5	014·0
13	010·3	009·9	009·6	009·2	009·0	009·1	009·2	010·0	010·7	010·1	009·7	009·2	008·1	007·5	007·5	007·1	007·3	007·4	008·0	008·2	008·3	008·9	009·5	009·5	008·9
14	009·6	009·6	009·8	009·8	010·2	010·6	011·1	011·5	012·5	013·0	013·4	013·2	013·2	013·5	013·5	014·2	014·8	014·9	015·1	015·3	016·0	016·2	016·2	016·1	012·9
15	016·2	016·0	015·9	015·7	015·4	015·3	015·2	015·3	015·4	015·4	015·3	015·0	015·1	014·9	014·1	013·7	014·1	013·8	014·1	014·5	014·5	015·1	015·0	015·4	015·0
16	014·9	014·4	013·7	013·6	012·8	011·8	010·9	009·6	008·7	007·9	008·4	007·8	006·7	006·3	006·3	006·3	006·5	007·1	007·2	007·6	008·1	008·3	009·3	009·1	009·0
17	009·0	008·3	007·9	005·9	005·1	004·9	003·3	002·0	000·3	998·0	995·0	993·3	990·9	989·2	988·1	987·3	987·1	986·9	987·3	987·7	987·9	987·9	987·9	987·8	995·9
18	987·3	987·2	986·9	986·0	985·5	985·4	984·3	983·2	982·7	982·5	981·8	980·9	980·2	979·5	978·5	978·3	978·1	978·1	977·8	977·4	977·7	977·8	978·5	979·0	981·6
19	980·0	980·5	981·4	982·2	982·3	982·7	983·4	983·9	984·5	985·0	985·5	985·1	985·0	984·8	984·5	984·3	984·1	983·7	983·6	983·4	983·2	983·2	982·8	982·6	983·3
20	982·8	983·1	983·4	983·5	983·4	983·8	984·1	984·4	985·3	986·3	987·2	988·0	989·7	990·3	991·8	993·3	994·9	996·3	996·8	998·0	998·8	999·3	999·5	999·3	989·8
21	998·8	998·3	996·7	995·3	992·0	990·0	987·2	984·3	982·2	981·8	981·9	981·2	980·0	978·3	976·4	975·8	975·9	975·4	975·0	975·1	974·6	974·8	974·1	973·7	983·0
22	972·9	971·8	970·3	969·4	968·3	968·1	967·4	967·0	967·9	968·6	970·3	971·3	972·2	972·8	973·4	974·1	974·9	976·7	978·5	980·2	982·0	983·9	986·0	987·7	**978·7**
23	988·0	989·9	990·7	991·6	992·2	993·6	994·0	994·6	995·5	996·2	997·2	997·8	998·1	998·9	999·8	001·2	002·0	003·0	003·9	004·9	006·3	006·5	007·5	008·3	998·0
24	009·0	009·9	010·8	010·9	011·6	011·7	012·2	012·5	013·1	013·4	013·4	012·9	012·5	011·9	011·2	010·6	010·0	008·8	007·5	006·0	005·1	004·0	002·3	000·8	009·8
25	997·1	997·3	995·5	995·0	994·8	995·1	995·6	996·1	996·9	997·7	998·5	998·5	998·9	999·6	000·2	000·7	001·3	002·1	002·4	003·2	003·8	004·1	004·8	005·0	999·3
26	005·2	005·5	005·8	006·0	006·2	006·2	006·4	007·0	007·2	007·4	007·3	006·7	005·9	005·0	004·3	003·8	003·6	003·4	002·9	002·8	002·2	002·0	001·7	001·3	004·9
27	000·5	999·3	999·3	998·6	998·9	998·3	997·8	998·0	998·3	998·8	998·4	997·9	997·5	997·9	998·1	998·8	000·0	000·8	001·2	001·4	001·6	001·9	001·9	002·1	999·5
28	001·0	001·4	001·1	000·7	000·4	000·5	000·0	999·4	998·9	997·5	995·9	993·7	991·0	987·2	984·4	983·8	983·8	984·8	985·9	985·9	986·4	986·6	986·4	986·4	992·9
29	985·8	985·1	984·7	984·1	983·5	982·8	981·7	980·6	980·0	978·6	977·5	976·0	974·3	973·2	971·0	970·2	969·5	968·7	967·9	967·7	967·3	967·2	966·7	967·1	975·9
30	997·5	997·8	998·3	998·7	999·0	999·6	979·2	971·0	972·1	973·4	974·8	975·4	976·3	976·9	977·6	978·3	979·4	980·6	981·6	982·7	983·0	983·3	983·7	984·7	975·3
31	985·3	986·0	986·9	987·4	987·6	987·9	987·6	988·7	990·4	992·3	993·3	993·8	993·9	994·5	995·3	996·3	997·5	998·5	999·5	000·6	001·5	002·1	003·0	003·7	993·5
Mean (Station level)	1037 ·80	1007 ·73	1007 ·63	1007 ·45	1007 ·27	1007 ·15	1006 ·96	1006 ·93	1007 ·13	1007 ·19	1007 ·28	1006 ·90	1006 ·45	1006 ·08	**1005 ·85**	1005 ·89	1006 ·13	1006 ·05	1006 ·54	1006 ·85	1007 ·08	1007 ·23	1007 ·37	1007 ·47	1006 ·96
Mean (Sea level)	1009 ·48	1009 ·41	1009 ·31	1009 ·13	1008 ·95	1008 ·83	1008 ·64	1008 ·61	1008 ·81	1008 ·87	1008 ·95	1008 ·57	1008 ·12	1007 ·75	**1007 ·52**	1007 ·56	1007 ·80	1007 ·72	1008 ·21	1008 ·53	1008 ·76	1008 ·91	1008 ·05	1008 ·15	1008 ·64
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·0 mb. is written 005·6. This rule does not, however, apply to monthly means.

PRESSURE AT STATION LEVEL AND AT SEA LEVEL.
ANNUAL MEANS OF HOURLY VALUES.

From readings in millibars at exact hours, Greenwich Mean Time.

283. Cahirciveen (Valencia Observatory) : $H_b = 13{\cdot}7$ metres. **1922.**

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Station Level	012·18	012·00	011·83	011·71	**011·68**	011·74	011·85	012·04	012·23	012·28	012·39	012·35	012·23	012·10	012·04	011·98	011·90	012·08	012·20	012·31	**012·42**	012·41	012·35	012·29	012·11
Sea Level	013·80	013·68	013·51	013·39	**013·36**	013·42	013·53	013·72	013·90	013·95	014·06	014·02	013·90	013·77	013·71	013·65	013·66	013·75	013·87	013·98	**014·10**	014·09	014·03	013·97	013·79

PRESSURE AT STATION LEVEL: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

284. Cahirciveen (Valencia Observatory) : $H_b = 13{\cdot}7$ metres. **1922.**

Month	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Jan.	1005·31	−0·08	−0·31	−0·34	−0·45	−0·57	**−0·65**	−0·57	−0·31	+0·01	+0·10	+0·36	+0·24	−0·10	−0·21	−0·11	+0·09	+0·25	+0·41	+0·39	+0·42	**+0·46**	+0·39	+0·33	+0·24
Feb.	1004·96	−0·06	−0·15	−0·23	−0·31	**−0·34**	−0·25	−0·11	+0·08	+0·25	+0·32	+0·46	**+0·52**	+0·47	+0·29	+0·08	−0·03	−0·13	−0·10	−0·01	−0·10	−0·18	−0·23	−0·15	−0·09
Mar.	1011·16	+0·05	−0·07	−0·32	**−0·47**	**−0·47**	−0·44	−0·27	−0·01	+0·30	+0·39	**+0·48**	+0·45	+0·28	−0·30	−0·18	−0·34	−0·36	−0·10	+0·04	+0·22	+0·28	+0·26	+0·15	+0·14
April	1008·71	+0·51	+0·37	+0·13	−0·01	−0·09	0·00	+0·06	+0·04	−0·04	−0·25	−0·25	−0·33	−0·39	−0·41	−0·43	**−0·57**	−0·47	−0·28	−0·06	+0·24	+0·57	**+0·60**	+0·51	+0·54
May	1016·91	−0·21	−0·44	−0·59	−0·71	**−0·77**	−0·57	−0·34	−0·12	+0·05	+0·12	+0·26	+0·39	**+0·46**	+0·43	+0·40	+0·27	+0·15	+0·17	+0·14	+0·16	+0·33	+0·26	+0·17	−0·01
June	1016·75	−0·25	−0·47	−0·62	**−0·64**	−0·60	−0·43	−0·25	−0·01	+0·19	+0·15	+0·22	+0·31	+0·34	+0·31	**+0·35**	+0·25	+0·18	+0·10	+0·14	+0·14	+0·27	+0·26	+0·11	−0·06
July	1011·09	+0·03	−0·26	−0·49	−0·65	**−0·67**	−0·57	−0·48	−0·33	−0·18	−0·15	−0·01	+0·10	+0·16	+0·21	+0·24	+0·23	+0·25	+0·25	+0·30	+0·39	**+0·49**	+0·42	+0·42	+0·29
Aug.	1012·37	+0·09	−0·15	−0·35	−0·46	**−0·53**	−0·43	−0·27	−0·12	+0·02	+0·09	+0·16	+0·19	+0·23	+0·21	+0·15	+0·05	−0·06	−0·09	−0·01	+0·06	+0·28	+0·33	**+0·34**	+0·29
Sept.	1014·02	−0·06	−0·18	−0·42	−0·56	**−0·58**	−0·56	−0·29	−0·15	−0·04	+0·04	+0·16	+0·13	+0·15	+0·06	+0·02	−0·05	−0·02	+0·07	+0·19	+0·48	**+0·58**	+0·49	+0·35	+0·20
Oct.	1014·56	−0·02	−0·12	−0·36	**−0·48**	−0·38	−0·37	−0·32	−0·01	+0·31	+0·42	**+0·47**	+0·43	+0·14	−0·10	−0·19	−0·31	−0·29	−0·02	+0·15	+0·25	+0·29	+0·28	+0·18	+0·06
Nov.	1022·56	−0·18	−0·42	−0·58	**−0·69**	−0·61	−0·49	−0·32	+0·05	+0·35	+0·47	**+0·65**	+0·43	+0·23	−0·06	−0·10	−0·12	−0·10	+0·10	+0·25	+0·29	+0·29	+0·29	+0·15	+0·11
Dec.	1000·96	+0·59	+0·54	+0·46	+0·31	+0·14	+0·04	−0·12	−0·13	+0·10	+0·18	+0·29	−0·07	−0·49	−0·83	**−1·05**	−0·98	−0·72	−0·77	−0·26	+0·07	+0·32	+0·50	+0·66	**+0·78**
Year	1012·11	+0·03	−0·14	−0·31	−0·43	**−0·46**	−0·39	−0·27	−0·09	+0·11	+0·16	+0·27	+0·23	+0·12	−0·01	−0·07	−0·13	−0·11	−0·02	+0·11	+0·22	**+0·33**	+0·32	+0·27	+0·21

ABSOLUTE EXTREMES OF PRESSURE AT STATION LEVEL FOR EACH DAY.

Maximum and minimum for the interval 0 h. to 24 h., Greenwich Mean Time.

285. Cahirciveen (Valencia Observatory) : $H_b = 13{\cdot}7$ metres. **1922.**

Month	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	028·7	020·8	007·4	994·0	012·5	993·7	009·1	001·2	017·0	010·0	015·8	007·1	003·9	998·8	020·5	016·1	014·9	006·9	020·4	018·7	009·9	990·9	025·7	020·7
2	024·7	018·7	994·0	**981·4**	016·5	005·6	008·3	992·4	012·7	009·0	020·5	008·0	006·4	999·3	020·2	016·3	017·9	014·9	019·7	014·8	010·9	999·7	028·9	025·4
3	028·0	024·1	002·4	986·2	008·9	005·1	999·0	988·2	009·6	005·8	025·3	020·5	010·7	002·3	016·3	009·4	019·1	014·2	014·8	008·4	004·2	997·0	031·8	028·5
4	030·2	026·0	015·5	002·4	010·7	997·2	006·0	999·0	009·9	006·8	025·1	023·0	008·3	000·8	013·2	009·1	021·8	019·0	008·9	005·7	017·5	004·2	032·7	031·4
5	027·3	021·6	019·7	015·5	998·6	992·7	011·7	002·0	017·0	008·8	023·5	021·1	007·7	**992·1**	013·1	008·9	026·5	019·9	019·2	005·5	015·6	983·8	033·2	029·5
6	021·6	011·9	019·4	011·2	998·6	991·5	014·2	003·8	022·6	014·0	021·1	014·5	008·2	992·3	008·9	005·4	029·2	026·5	026·0	019·2	995·8	**981·7**	**034·3**	033·0
7	012·1	000·2	011·3	005·2	992·9	986·9	005·5	000·3	027·1	022·6	014·5	009·4	012·9	003·2	005·5	000·9	031·1	027·9	027·8	025·8	008·8	995·8	033·4	025·6
8	006·3	998·8	013·4	009·3	002·0	**986·7**	012·2	005·4	028·0	026·0	015·8	010·8	009·6	992·6	010·5	001·8	**032·5**	031·0	**028·3**	026·7	016·9	001·6	025·6	020·9
9	018·1	006·1	019·3	013·1	012·6	000·2	012·8	007·5	027·5	024·0	015·1	010·9	014·0	009·6	020·2	010·5	031·9	027·5	026·7	021·2	017·7	001·8	027·4	022·5
10	032·0	018·1	**023·7**	018·5	027·9	012·6	007·5	998·6	024·2	017·2	019·2	011·9	022·1	013·3	024·9	020·0	027·5	024·2	021·2	012·9	019·9	996·2	027·9	024·4
11	032·8	029·9	022·9	015·8	**030·3**	027·6	999·2	997·9	017·2	012·4	021·2	019·0	**022·9**	021·2	024·9	012·7	024·3	005·5	012·9	003·2	026·5	019·9	024·4	014·5
12	**032·9**	014·5	015·8	010·4	**030·3**	026·8	998·4	989·6	020·4	013·3	021·9	019·2	021·2	016·9	013·2	008·9	005·5	985·4	007·7	002·4	027·2	025·4	016·8	010·5
13	020·5	012·7	020·5	011·3	026·9	021·8	999·3	996·6	022·7	020·3	**029·3**	021·8	016·9	002·1	014·5	012·8	993·6	984·5	010·6	004·3	030·7	027·2	010·8	006·9
14	020·2	011·7	020·4	011·5	023·0	018·4	996·6	**970·0**	021·3	019·3	027·8	010·2	005·8	004·2	017·9	013·5	015·3	993·6	012·4	009·3	037·5	030·7	016·2	009·5
15	011·7	993·2	011·8	002·3	020·7	019·0	012·2	974·7	019·3	007·2	020·1	009·7	012·9	005·4	017·8	010·1	021·0	015·3	009·9	003·9	041·1	037·5	016·2	013·6
16	999·9	991·9	003·8	001·4	020·3	016·9	028·7	012·2	007·3	000·7	026·0	019·9	016·8	012·8	011·6	005·8	017·4	009·1	009·0	005·3	**042·0**	040·8	015·5	006·1
17	000·5	996·3	003·4	998·3	016·9	012·8	**034·6**	028·7	004·3	**997·5**	028·6	025·6	016·7	015·0	022·4	009·5	022·3	009·2	011·6	008·7	**042·0**	037·2	009·3	986·8
18	996·3	991·2	006·6	001·6	015·1	011·7	034·5	031·3	013·5	004·3	027·6	025·1	020·1	016·6	**026·2**	022·1	024·6	019·3	018·6	011·2	037·4	031·3	987·8	977·2
19	995·2	992·6	005·5	997·9	018·5	014·6	031·3	027·4	020·0	009·8	025·1	019·0	020·0	013·8	**026·2**	021·7	019·3	014·4	023·2	018·4	032·1	028·4	985·7	979·0
20	998·6	982·2	004·5	988·4	022·8	018·0	028·1	025·4	020·9	017·2	024·1	015·9	013·8	008·8	021·7	017·6	021·7	017·6	022·9	016·8	028·9	027·8	999·6	982·6
21	002·2	977·2	988·9	986·4	026·5	022·5	025·8	020·1	017·2	009·1	024·0	021·4	013·0	009·1	017·6	013·0	020·8	018·9	018·0	015·5	028·5	027·2	999·3	973·7
22	004·3	001·6	996·3	988·7	026·4	020·5	020·4	010·1	010·9	007·9	021·4	010·4	012·4	005·4	013·0	007·5	021·2	019·8	016·9	015·4	029·7	026·8	987·7	966·8
23	007·7	003·6	004·4	996·3	020·5	013·9	015·2	009·6	013·8	004·2	014·1	010·1	009·0	002·5	018·7	009·1	019·8	015·4	019·0	015·1	035·5	029·6	008·3	987·7
24	006·1	994·4	004·5	002·0	013·9	996·0	017·6	009·3	015·3	013·4	011·8	009·4	020·6	009·0	016·3	009·0	015·4	001·7	021·3	019·0	039·2	035·5	013·5	000·8
25	994·4	984·0	003·9	991·1	996·3	988·9	017·1	997·8	019·7	015·3	010·3	001·8	020·9	015·6	019·0	010·8	001·7	982·6	020·6	012·3	038·8	035·3	005·0	994·4
26	998·6	987·2	001·5	989·0	007·0	990·2	000·2	996·4	**029·6**	019·1	006·6	**000·2**	018·9	010·1	018·5	007·3	983·3	**977·9**	012·4	011·1	035·3	032·7	007·4	001·3
27	996·5	**974·1**	001·4	993·7	013·6	005·5	008·3	999·5	**029·6**	028·0	006·2	003·4	021·2	018·7	007·6	004·0	005·4	983·3	018·2	004·9	035·8	033·8	002·2	997·5
28	984·3	974·2	999·0	993·2	020·0	013·6	012·8	007·6	028·1	027·2	012·9	003·9	021·1	012·1	008·4	004·8	020·6	005·4	021·2	018·0	035·5	029·0	002·1	983·3
29	988·2	984·3	—	—	020·1	015·1	016·9	012·7	028·7	027·0	019·7	012·8	014·3	009·9	007·8	**993·3**	022·2	015·7	018·3	007·7	029·0	022·5	986·4	**966·7**
30	986·9	979·2	—	—	015·1	001·6	018·5	016·5	028·6	022·7	018·9	003·9	014·3	010·4	000·9	993·8	018·8	013·9	015·0	007·3	022·5	017·9	984·7	966·9
31	005·4	986·9	—	—	001·6	997·8	—	—	022·7	015·8	—	—	016·5	009·7	006·9	000·9	—	—	015·5	**995·9**	—	—	003·7	984·7
Mean	1010 ·26	**1000 ·30**	1008 ·62	1000 ·57	1015 ·06	1007 ·27	1013 ·40	1004 ·39	1019 ·56	1014 ·06	1019 ·78	1013 ·33	1014 ·62	1007 ·54	1015 ·63	1009 ·24	1018 ·22	1010 ·02	1017 ·68	1011 ·78	**1026 ·41**	1018 ·31	1012 ·37	1002 ·34

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

286. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulb above ground) = 1·3 metres.

January, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	83·5	83·6	83·5	83·5	83·5	83·9	84·2	84·4	84·3	84·4	84·5	84·8	84·9	85·1	85·1	85·2	85·1	85·1	85·1	85·3	85·3	85·2	85·1	85·1	**84·5**
2	85·1	85·2	85·3	85·4	85·2	84·8	84·8	84·7	84·6	84·6	84·5	84·7	84·5	84·3	84·1	83·3	82·1	81·9	81·6	81·4	81·2	81·2	80·7	80·9	83·7
3	80·9	80·8	80·8	81·2	81·2	81·2	81·3	80·7	81·0	81·6	81·5	81·5	80·9	81·5	81·3	81·2	81·3	80·7	80·7	80·1	80·8	80·7	80·1	79·6	81·0
4	79·8	79·9	79·8	79·3	79·6	79·3	79·4	79·8	79·3	79·2	79·7	80·0	79·5	80·1	80·4	79·5	79·5	79·8	79·9	80·1	79·9	80·1	80·0	79·7	79·7
5	79·4	79·4	79·1	79·4	79·4	79·1	79·5	79·3	79·1	79·0	79·8	80·4	81·0	81·1	81·3	80·9	80·9	81·4	81·3	81·2	81·6	81·8	81·8	81·6	80·3
6	81·4	81·5	81·6	81·5	81·5	81·3	81·4	81·3	81·1	81·3	81·5	81·8	81·9	81·8	82·5	82·0	82·2	82·2	82·4	82·7	83·2	83·2	83·1	82·7	81·9
7	82·1	82·3	82·4	82·2	82·2	81·6	80·9	81·1	81·2	81·3	81·6	82·3	82·8	82·6	82·8	82·5	82·5	83·0	83·3	83·5	84·0	84·2	84·4	84·5	82·5
8	85·1	82·9	83·8	83·4	83·1	83·1	83·2	83·2	82·9	82·7	82·9	83·1	83·5	83·5	83·4	82·1	82·2	82·1	81·8	82·1	84·7	85·1	85·4	85·6	83·3
9	85·6	85·6	85·8	85·5	85·5	85·7	85·8	85·5	86·0	85·9	86·1	85·7	85·7	83·4	83·2	83·3	82·8	82·7	82·3	82·7	82·5	82·4	82·5	82·6	84·4
10	82·4	82·3	82·3	81·5	80·9	82·1	81·8	81·7	81·4	81·5	81·8	81·8	81·9	81·7	81·6	81·4	81·4	81·2	80·9	81·0	81·2	81·1	81·4	81·5	81·6
11	81·1	80·9	81·0	80·9	80·7	80·9	81·2	81·1	81·1	80·8	80·6	81·4	81·8	81·9	81·8	81·5	81·3	81·1	80·6	80·8	80·7	78·7	78·4	77·4	80·8
12	76·5	76·9	75·4	75·5	74·8	74·3	73·1	72·3	74·9	76·8	78·1	78·9	79·3	79·8	79·9	79·7	79·5	79·8	80·0	80·3	80·2	80·3	80·7	80·6	77·8
13	80·4	80·4	80·0	80·2	80·0	80·3	80·5	80·3	80·4	80·6	80·7	80·5	80·5	80·5	80·1	79·5	78·4	79·0	78·9	79·7	79·8	79·5	79·7	79·6	80·0
14	79·6	79·8	80·3	79·4	79·6	80·2	80·3	80·4	80·6	80·7	80·8	80·8	81·2	81·2	80·9	80·7	80·5	80·0	79·9	79·7	79·7	79·7	79·7	79·8	80·2
15	80·3	80·9	81·6	82·1	82·4	82·7	83·4	83·7	82·2	81·9	81·3	81·3	81·2	79·9	79·7	78·1	77·9	77·9	78·9	78·6	77·9	78·5	77·4	76·5	80·3
16	76·4	75·6	76·5	76·7	75·8	77·1	77·3	76·3	75·7	76·3	75·1	75·5	75·9	77·8	75·5	76·6	76·4	77·1	76·6	76·1	75·8	75·6	77·4	77·1	76·3
17	76·5	77·8	78·4	77·6	78·0	76·8	78·6	78·4	78·8	77·1	78·5	79·4	79·7	80·1	79·6	79·3	78·1	78·1	79·2	79·1	78·9	79·9	80·5	80·9	78·6
18	81·3	81·7	82·1	81·6	81·2	81·3	81·0	81·1	80·5	80·3	80·1	80·8	79·9	79·9	79·7	79·8	78·9	78·9	78·4	78·3	77·9	77·8	77·8	77·5	80·0
19	76·4	76·0	76·8	76·6	76·1	75·7	75·4	77·6	77·5	75·5	75·1	75·4	75·5	76·1	77·0	76·5	76·2	75·9	75·7	75·2	75·2	74·7	75·3	74·0	**76·0**
20	74·3	74·5	74·2	73·9	73·4	73·2	72·6	72·6	72·4	73·3	74·4	75·6	77·0	77·7	77·4	77·3	77·3	77·5	78·0	79·1	80·1	82·3	83·6	84·1	79·3
21	84·3	84·3	83·1	84·0	83·0	81·7	80·9	80·9	80·6	81·3	81·5	81·4	80·9	81·5	81·4	81·1	80·3	80·1	80·1	79·7	80·5	80·3	80·4	80·6	81·5
22	81·7	81·8	81·9	82·5	82·5	82·8	82·8	82·9	83·2	83·4	83·5	83·8	83·9	83·9	83·8	83·8	83·9	83·9	83·5	83·8	83·9	84·0	84·1	83·9	83·2
23	83·5	83·9	84·1	84·1	84·4	84·5	84·2	84·2	83·9	84·0	83·9	83·9	84·0	83·9	83·5	83·0	82·4	81·9	82·0	81·9	81·8	81·8	82·1	82·1	83·3
24	81·9	81·8	81·7	81·6	81·1	80·6	80·4	80·3	80·3	80·2	80·0	79·7	79·4	78·5	77·5	77·5	77·0	76·5	76·4	76·2	75·8	75·7	75·3	75·1	78·9
25	74·9	74·6	74·1	73·6	73·9	75·2	75·7	77·2	77·6	78·1	78·8	79·6	79·7	79·7	80·1	81·4	80·8	80·3	80·5	80·6	81·4	81·6	82·5	82·3	78·4
26	83·1	83·4	82·9	82·2	81·9	81·5	80·8	80·6	80·8	81·0	81·9	81·9	82·7	82·5	83·0	82·5	82·5	82·3	80·4	80·8	80·9	80·9	81·3	81·4	81·8
27	81·3	81·5	81·7	81·8	81·2	81·4	80·9	80·4	81·2	81·5	82·2	82·9	82·6	82·9	82·6	82·5	82·2	81·9	81·6	81·3	80·4	79·8	79·8	79·5	81·5
28	79·5	79·9	80·1	80·2	80·7	81·1	80·6	80·9	81·1	81·3	81·7	81·9	81·3	81·6	81·3	80·6	80·6	80·7	81·1	81·6	81·8	81·8	81·6	81·5	81·0
29	81·5	81·4	81·5	81·3	80·7	80·5	80·7	80·3	80·4	80·7	80·4	79·8	80·0	80·2	80·4	80·4	80·3	79·9	79·5	79·5	79·6	79·1	79·7	79·6	80·3
30	80·3	79·7	79·8	80·9	81·2	81·3	80·3	80·1	81·2	81·7	81·1	82·2	81·7	81·8	81·7	81·2	80·8	80·8	79·9	79·6	79·4	79·1	79·3	78·6	80·6
31	79·1	79·5	79·7	79·6	79·7	80·3	80·4	80·3	80·3	80·9	81·1	81·1	81·0	80·9	80·8	81·7	81·8	81·1	81·2	81·3	81·2	81·1	80·9	80·6	80·6
Mean ...	80·6	80·6	80·7	80·6	80·5	80·5	**80·4**	80·4	80·5	80·6	80·8	81·1	81·2	81·2	**81·1**	80·8	80·6	80·5	80·4	80·4	80·6	80·6	80·7	80·6	80·7

287. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres.

February, 1922.

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	80·5	80·4	80·4	80·4	79·7	79·1	78·9	77·7	77·1	79·6	80·4	81·6	81·9	81·7	81·8	81·4	81·3	81·4	81·5	81·8	82·5	82·7	83·8	83·9	80·8
2	84·1	84·2	84·0	83·9	84·1	84·1	84·2	84·1	84·3	83·7	84·3	84·2	84·2	84·2	84·4	84·4	84·5	84·3	83·9	83·5	83·4	83·7	83·6	83·6	84·0
3	83·3	82·8	83·1	82·9	82·5	82·3	82·4	82·2	82·5	82·3	82·8	83·2	82·7	82·6	82·4	82·2	82·5	82·3	82·1	81·5	81·8	81·8	81·7	81·7	82·4
4	81·7	81·4	81·4	81·3	81·0	80·4	80·4	80·5	80·0	80·6	80·4	81·5	81·1	80·9	79·8	80·2	80·4	79·8	79·8	79·2	79·4	79·4	78·0	78·8	80·4
5	78·1	77·5	78·5	77·4	78·6	77·8	77·5	77·2	75·9	77·0	77·8	79·2	79·9	80·4	80·4	80·1	79·3	79·1	79·3	78·9	78·7	79·1	79·1	79·3	78·6
6	79·3	79·5	79·6	79·7	80·1	80·5	80·5	81·1	81·2	81·6	82·0	82·4	82·9	82·9	83·1	82·6	82·5	82·4	81·6	81·5	81·6	81·5	81·5	81·4	81·3
7	81·5	81·5	82·1	82·3	82·4	82·4	82·3	81·8	81·6	82·2	82·3	82·3	82·3	82·3	82·4	82·5	82·6	82·2	82·3	82·5	82·6	82·3	81·9	81·7	82·2
8	81·4	81·3	81·2	81·0	80·5	80·8	80·4	80·3	80·2	80·6	81·4	82·2	82·7	82·8	82·9	82·4	81·8	82·0	81·9	81·9	81·9	82·0	81·9	81·8	81·6
9	81·5	81·2	80·5	79·8	80·0	80·3	81·1	80·9	81·2	81·4	82·4	82·3	82·8	82·9	82·6	82·4	81·5	81·4	80·7	80·4	80·4	79·8	80·4	80·5	81·2
10	79·6	80·0	80·1	80·1	79·1	79·4	78·4	79·1	79·7	80·0	81·3	82·1	81·9	81·5	81·5	81·4	80·7	80·4	80·5	80·5	80·7	80·9	80·9	80·8	80·4
11	80·9	81·2	81·3	81·4	81·5	81·5	81·6	81·6	81·8	82·0	82·2	82·5	82·5	82·6	82·8	82·8	82·5	82·4	82·6	82·6	82·6	82·5	82·5	82·5	82·1
12	82·5	82·5	82·2	81·6	81·5	81·4	81·3	80·9	80·6	80·5	80·7	80·7	80·4	81·2	81·2	81·1	80·9	80·6	80·6	79·3	78·3	79·5	79·2	78·6	80·8
13	78·5	78·9	78·6	78·8	77·6	78·3	78·2	78·5	77·7	79·2	79·4	79·5	79·5	79·8	79·7	79·8	79·4	78·4	78·3	77·7	76·5	76·3	75·3	76·5	78·4
14	75·5	75·8	75·3	76·3	76·1	76·7	77·2	77·5	78·1	79·1	80·0	80·6	80·9	81·1	80·8	80·6	80·5	80·6	81·0	81·5	82·4	82·4	82·3	82·2	79·2
15	81·8	81·8	81·7	81·5	81·1	80·9	80·8	80·5	80·6	81·0	81·7	82·4	82·8	82·9	83·0	82·7	83·0	83·1	83·2	83·3	83·4	83·5	83·5	83·7	82·2
16	83·4	82·8	82·6	82·0	81·5	81·3	81·4	81·2	80·8	81·0	80·9	81·5	82·3	82·4	82·4	82·3	81·8	81·3	80·7	79·8	79·5	79·9	79·5	78·6	81·4
17	78·7	77·9	78·3	78·5	77·4	78·0	78·2	78·3	79·5	79·5	80·0	79·9	77·3	77·6	78·7	77·4	77·5	78·1	78·2	77·6	77·7	77·5	77·7	77·9	78·2
18	77·8	78·3	78·6	78·6	78·4	77·5	77·8	78·4	78·1	78·4	78·9	80·5	81·9	81·8	81·5	81·5	81·5	81·4	81·1	81·5	82·1	82·3	82·6	83·1	80·0
19	83·1	83·0	83·2	83·4	83·5	83·6	83·4	83·3	83·4	83·6	83·9	82·9	83·3	82·2	81·7	81·7	81·5	80·5	79·7	79·0	78·7	79·1	78·4	78·5	82·0
20	78·0	77·8	79·3	78·4	78·7	79·2	78·6	79·5	79·4	79·2	80·2	79·6	79·5	81·2	80·9	79·5	78·7	79·2	77·6	77·8	79·1	77·9	77·9	77·9	79·0
21	77·5	77·8	76·6	75·7	75·2	76·6	75·9	75·2	75·7	76·1	77·3	78·4	76·7	76·5	76·7	75·9	76·8	78·4	77·1	78·4	78·5	78·5	79·0	78·1	**77·0**
22	79·5	80·2	80·3	80·1	80·3	79·4	80·4	80·4	79·8	80·2	82·2	82·9	82·5	83·5	83·5	82·9	83·1	83·2	83·2	83·2	83·3	83·5	83·7	83·5	81·8
23	83·4	83·4	83·4	83·4	83·2	82·8	82·7	83·2	83·1	83·7	84·3	84·6	85·3	85·3	85·5	85·5	85·0	84·6	84·1	84·2	84·3	84·7	84·7	84·8	84·1
24	84·8	84·7	84·6	84·7	84·9	84·9	84·7	84·9	85·0	85·4	85·2	85·3	85·3	85·1	85·0	85·1	85·0	85·0	83·5	83·1	84·1	84·4	84·5	84·8	**84·7**
25	81·3	81·0	81·0	81·0	80·9	80·3	80·1	79·9	79·8	79·8	80·0	80·1	79·9	80·4	81·3	81·9	81·8	81·0	81·2	81·7	82·2	81·9	81·4	81·8	80·9
26	82·5	82·4	82·1	82·1	81·0	81·3	80·5	80·3	81·1	81·6	80·8	81·1	80·6	81·6	81·5	81·5	81·1	78·7	78·8	78·4	78·3	78·5	78·6	77·8	80·6
27	79·1	79·5	79·3	79·9	80·2	78·9	79·3	79·9	79·5	79·3	80·9	81·2	81·4	81·2	81·0	80·5	80·4	80·2	79·8	79·4	79·1	79·2	78·4	78·7	79·5
28	78·8	78·8	78·4	79·7	79·7	80·2	79·1	80·2	80·2	81·3	81·4	81·7	82·3	82·4	81·6	81·5	81·1	80·0	79·8	79·1	78·7	78·5	78·4	78·3	80·1
Mean ...	80·6	80·6	80·6	80·6	80·4	80·4	**80·3**	80·3	80·3	80·7	81·3	81·7	81·7	81·8	**81·8**	81·5	81·4	81·1	80·9	80·7	80·8	80·8	80·7	80·9	80·9
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22	23	24	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

288. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulb above ground) = 1·3 metres.

March, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	78·2	78·4	77·4	77·4	77·4	77·4	77·4	77·5	78·6	81·1	81·4	81·4	80·8	80·9	80·1	78·7	78·7	80·0	80·5	80·5	80·2	79·4	78·7	79·1	
2	78·4	79·4	79·7	79·0	79·7	79·3	78·4	78·1	79·6	81·2	82·3	82·7	82·8	82·7	82·7	82·9	83·4	83·6	83·9	84·4	84·5	84·6	84·5	84·5	81·6
3	84·4	84·5	84·6	84·5	83·9	82·5	82·4	82·4	82·8	83·6	83·7	83·1	83·9	83·7	83·7	83·5	83·5	82·5	81·9	82·5	82·9	82·4	81·5	80·5	**83·2**
4	80·6	80·7	79·5	80·5	79·5	79·0	79·6	80·0	80·1	81·6	81·0	81·6	82·0	82·1	82·3	81·9	81·5	81·3	81·2	81·5	82·1	81·5	81·6	82·3	81·0
5	82·8	83·2	83·7	82·4	82·3	81·9	81·8	81·0	81·3	81·8	82·3	82·4	82·4	82·5	82·6	82·1	81·1	81·4	80·6	80·2	80·2	80·1	79·8	79·7	81·7
6	79·6	79·9	79·8	80·2	80·1	80·9	80·7	80·5	81·4	81·6	79·6	80·3	79·8	80·3	80·5	81·1	80·2	78·9	78·7	79·0	79·3	79·1	78·6	77·8	80·0
7	77·5	77·6	78·5	78·7	78·5	77·8	78·0	78·9	78·9	80·8	81·3	81·1	80·9	81·1	81·6	81·1	80·4	80·1	79·8	79·6	79·4	78·9	78·5	78·4	79·5
8	78·4	78·5	78·7	79·3	78·9	80·1	79·9	79·6	80·1	80·6	80·9	81·0	80·9	80·5	81·0	81·2	80·7	79·9	78·9	79·3	78·5	78·9	78·8	79·4	79·7
9	78·7	79·1	79·7	78·7	77·3	77·5	78·7	78·4	78·6	79·1	79·5	78·5	78·9	80·3	77·9	78·6	79·1	79·9	79·7	79·4	79·3	79·1	78·9	78·7	78·9
10	78·5	78·1	78·0	77·6	76·9	76·8	76·5	76·4	77·5	78·2	79·0	79·6	80·4	80·9	81·2	81·3	80·9	80·6	80·3	80·5	80·5	80·5	80·6	80·8	79·2
11	80·6	80·8	81·0	81·2	80·8	80·6	80·6	81·1	81·5	81·8	82·0	82·1	82·0	81·8	81·8	81·6	81·6	81·4	81·3	81·2	81·2	81·2	81·1	81·1	81·3
12	81·0	81·0	80·9	80·7	80·5	80·5	80·0	80·3	81·2	82·1	82·1	83·1	82·9	83·4	82·8	82·6	82·6	82·6	83·1	83·4	83·4	83·4	83·4	83·3	82·1
13	82·5	81·6	80·8	80·8	80·1	79·9	80·0	80·1	81·6	82·2	82·6	82·6	83·5	84·4	84·6	85·0	84·7	84·4	83·9	82·5	81·7	81·2	80·5	79·6	82·2
14	78·9	78·4	77·9	78·0	77·9	78·6	79·0	79·4	80·0	81·7	82·1	82·7	83·6	83·8	84·5	84·4	84·1	83·2	82·5	82·2	81·5	81·3	81·1	81·0	81·1
15	80·7	80·3	80·6	80·4	80·3	80·5	80·2	80·6	81·9	83·4	84·3	85·0	85·5	85·5	85·9	85·9	85·7	84·7	83·2	82·3	82·2	80·7	80·4	80·5	82·5
16	81·1	80·6	80·4	79·7	79·8	79·5	79·6	80·4	81·5	82·4	83·6	83·4	83·8	83·8	84·2	83·6	83·0	82·2	81·9	81·8	81·8	81·6	81·8	81·8	81·8
17	81·8	82·1	82·6	82·4	82·2	81·9	82·1	81·4	81·6	82·3	82·3	82·4	82·9	83·5	83·1	82·4	82·0	81·7	81·5	81·4	81·3	81·3	81·1	81·2	82·0
18	81·4	81·5	81·5	81·5	81·5	81·3	81·2	81·3	81·4	81·8	81·7	82·2	82·3	82·6	82·3	82·3	82·3	81·6	80·5	79·9	79·9	79·6	79·3	79·0	81·3
19	79·0	78·6	78·7	78·6	78·3	78·5	76·5	77·2	78·5	79·8	80·4	81·7	82·8	83·6	83·1	83·3	83·2	82·6	82·2	82·2	82·3	82·1	82·1	81·2	80·6
20	81·0	81·1	80·5	80·0	79·9	79·5	79·3	79·1	79·1	79·2	78·9	79·4	79·5	79·8	80·0	80·1	79·8	79·8	79·3	79·2	79·0	78·4	78·3	78·4	79·6
21	78·3	77·3	76·4	76·2	76·1	75·7	75·3	76·3	76·8	77·3	78·1	78·8	79·4	79·4	79·6	79·9	79·7	79·4	78·6	77·9	76·6	76·1	75·7	75·1	77·6
22	75·2	75·5	75·3	75·1	75·2	75·0	74·6	75·4	75·6	76·1	77·7	78·2	78·6	78·9	78·9	78·8	79·1	78·6	78·5	78·6	78·6	78·6	77·9	77·7	**77·1**
23	77·5	77·4	77·1	77·1	76·2	76·1	75·4	75·7	77·3	78·5	79·9	80·0	80·5	80·6	81·0	80·9	80·6	80·4	80·3	80·2	80·0	79·9	79·4	79·9	78·8
24	79·5	80·2	80·3	80·2	80·4	80·7	81·6	81·5	81·4	81·4	82·9	81·8	82·3	82·2	81·4	81·0	81·2	80·2	79·6	79·1	78·4	78·2	77·9	77·0	80·5
25	77·8	78·1	78·8	77·9	78·3	78·5	77·5	77·4	77·9	78·8	79·1	77·2	79·6	78·8	78·4	79·5	78·4	78·1	78·3	79·0	78·1	78·1	78·6	78·6	78·3
26	78·4	78·3	78·9	79·1	79·1	78·8	78·2	79·4	80·0	80·6	81·4	81·5	81·8	82·4	82·5	82·3	82·1	81·6	81·1	80·7	80·5	80·4	80·4	79·8	80·4
27	80·1	78·7	78·5	79·7	79·9	80·1	79·7	79·9	79·6	79·9	78·9	78·3	80·0	80·0	79·4	78·5	78·2	77·6	78·1	78·1	77·9	77·7	77·7	77·9	79·0
28	77·4	77·3	77·4	77·5	77·6	77·8	78·1	78·5	79·2	80·1	80·9	81·3	81·7	82·6	82·7	82·7	82·6	81·9	80·9	80·4	79·1	77·9	78·5	78·2	79·7
29	78·1	77·9	77·3	77·2	77·2	77·6	77·3	78·5	79·5	80·9	81·6	81·8	82·2	82·5	82·5	82·5	82·1	81·5	80·7	80·1	80·0	80·0	80·0	79·9	79·9
30	80·3	80·4	80·5	80·4	80·4	80·5	80·5	81·4	82·2	82·9	82·9	83·2	83·6	84·2	83·4	83·5	83·0	82·5	81·6	81·3	80·6	80·4	80·1	80·0	81·7
31	79·9	79·8	79·7	79·9	80·2	79·9	79·9	80·1	79·4	78·9	78·9	79·7	79·0	79·6	80·0	79·1	78·4	78·0	77·4	77·1	76·7	76·3	75·9	76·1	78·8
Mean ...	79·6	79·6	79·5	79·4	79·2	79·2	**79·0**	79·3	79·8	80·6	81·1	81·2	81·6	**81·9**	81·8	81·7	81·4	81·0	80·6	80·5	80·3	80·0	79·8	79·6	80·3

289. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres.

April, 1922.

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	76·0	75·4	75·1	74·6	74·4	73·9	73·9	74·8	75·5	76·2	76·9	77·9	78·3	78·4	79·0	79·1	78·8	78·8	78·2	77·6	77·2	76·7	76·6	76·5	**76·7**
2	76·7	76·8	77·1	77·1	77·1	77·1	77·1	77·3	77·2	78·1	79·1	79·5	79·9	79·6	80·0	79·8	79·4	78·8	78·2	77·5	77·3	77·3	77·1	76·7	78·0
3	75·9	75·7	75·3	75·1	74·9	74·8	75·4	75·6	76·4	77·9	78·2	79·5	80·3	80·7	80·9	80·8	80·4	79·7	79·2	78·8	79·0	78·6	77·2	76·6	77·8
4	76·1	75·9	74·5	75·2	76·2	76·5	75·8	77·0	79·5	79·8	80·8	80·3	82·1	82·3	81·6	81·5	81·9	80·9	80·6	79·5	79·1	79·3	79·4	79·2	78·9
5	78·9	78·9	78·5	78·5	78·5	78·3	78·2	78·5	79·9	80·5	82·2	82·5	81·4	81·3	81·0	80·4	80·7	80·4	79·6	79·1	78·8	77·9	77·1	75·4	79·5
6	74·8	74·1	74·0	74·3	73·8	73·1	74·5	76·6	78·3	79·3	80·5	81·2	81·9	82·0	81·6	81·8	81·5	80·9	80·4	80·0	79·5	79·2	79·3	79·6	78·3
7	79·6	79·3	79·2	78·8	78·7	78·4	78·4	78·5	78·9	79·2	79·7	79·9	80·4	80·5	79·9	79·6	79·3	79·3	79·3	79·4	80·0	79·8	79·2	79·1	79·4
8	79·1	79·3	79·3	78·9	78·5	78·5	79·4	80·2	79·8	81·3	81·4	81·8	81·4	81·3	81·7	81·4	80·8	80·5	79·9	79·3	79·1	78·9	77·3	77·8	79·9
9	78·3	78·1	79·2	79·7	78·9	79·2	79·2	80·1	81·2	80·6	81·3	82·4	83·1	82·6	82·5	82·4	81·9	81·4	80·9	79·4	78·6	77·8	77·3	76·8	80·1
10	76·6	76·0	76·4	77·1	78·2	78·3	77·4	80·1	80·3	81·1	81·6	82·6	82·9	83·3	83·4	83·1	82·9	82·3	81·7	81·3	80·9	80·8	80·3	80·1	80·3
11	79·4	79·3	78·6	78·5	78·4	77·8	78·1	78·9	79·9	81·4	81·9	79·5	79·5	79·2	79·6	80·2	81·0	80·8	80·0	78·2	79·3	78·7	77·9	76·2	79·3
12	76·0	75·8	75·6	75·3	75·7	75·8	75·9	78·3	78·4	78·7	77·4	77·6	77·4	77·2	77·1	77·1	77·9	78·5	78·1	77·3	78·0	77·4	77·9	77·6	77·1
13	78·1	76·4	75·2	75·5	76·5	76·8	76·7	76·9	78·8	79·8	80·1	81·7	80·8	81·1	81·1	82·2	81·6	80·8	80·5	79·1	78·8	78·7	78·5	78·4	78·9
14	78·5	78·3	78·6	78·5	76·4	75·5	75·9	76·1	76·0	76·7	78·0	80·0	83·3	83·4	84·4	83·0	82·9	82·6	82·3	82·2	81·8	81·8	81·6	81·1	79·9
15	79·6	79·9	79·7	79·4	79·6	80·1	80·1	80·2	80·8	81·1	81·1	81·4	81·5	81·2	81·4	80·7	79·8	80·2	80·1	80·8	79·4	77·8	79·6	79·1	80·2
16	79·4	79·7	79·3	79·3	79·2	78·4	78·5	79·8	79·6	79·3	79·9	79·6	79·5	81·0	80·2	80·4	80·5	80·1	80·2	79·7	79·3	78·7	79·0	79·4	79·6
17	79·1	79·1	78·9	78·7	79·0	78·3	78·7	79·4	80·7	81·2	81·5	82·4	82·7	82·9	82·9	82·8	82·5	81·9	80·6	79·3	78·0	78·2	76·6	76·0	80·1
18	75·8	75·6	75·0	75·0	75·3	75·2	76·9	79·0	82·2	83·1	83·3	83·9	84·0	83·8	84·0	83·5	83·5	82·9	82·2	81·3	81·3	81·3	81·1	80·9	80·3
19	81·0	81·2	81·3	81·3	81·3	81·3	81·7	82·2	82·8	83·9	83·9	83·5	83·2	82·9	82·5	82·0	81·9	81·8	81·8	81·9	82·0	81·8	81·7	81·8	82·1
20	81·5	81·4	81·4	81·4	81·4	81·4	81·5	81·7	82·4	82·7	83·1	83·6	83·9	83·7	83·3	83·3	83·3	83·1	82·5	81·4	80·7	80·3	79·9	80·0	82·1
21	79·6	80·0	80·3	80·3	80·6	80·8	81·3	81·9	82·3	82·5	82·8	83·1	83·4	83·4	83·7	83·9	83·4	83·0	81·6	81·6	80·7	81·4	81·5	81·3	81·8
22	80·6	81·1	80·9	81·2	80·7	80·4	80·4	80·9	81·5	81·9	81·9	82·4	82·5	82·9	84·1	84·6	84·2	83·9	82·8	82·3	82·1	81·9	81·7	81·5	82·0
23	81·5	81·5	81·8	81·7	81·6	81·6	82·1	82·5	82·7	83·7	83·5	84·4	84·7	84·6	84·2	84·4	83·5	83·2	82·4	82·2	81·8	81·4	81·3	81·1	**82·7**
24	80·6	81·0	80·0	79·3	79·9	80·1	80·0	78·8	81·3	80·5	81·9	81·2	82·2	82·4	82·6	82·2	82·4	82·3	81·7	81·6	81·3	81·3	81·4	81·0	81·1
25	80·3	80·7	80·4	80·6	80·6	80·8	80·5	80·3	80·0	80·9	83·5	83·9	83·9	83·9	83·8	82·5	81·4	81·3	81·1	81·0	80·9	80·5	80·5	79·6	81·4
26	79·3	78·4	78·9	79·3	77·4	77·7	78·9	78·9	80·0	80·1	80·6	80·9	80·7	81·0	81·1	79·9	77·5	78·3	78·4	77·6	76·6	77·3	77·3	77·1	78·9
27	78·4	77·8	78·1	79·4	79·7	80·1	80·4	80·5	81·2	81·4	82·1	82·5	82·4	82·3	81·7	81·9	81·3	81·1	80·5	80·1	79·3	79·2	77·8	77·7	80·3
28	78·1	77·6	78·2	78·2	78·3	77·5	78·1	79·4	79·8	80·0	80·6	80·6	79·5	79·9	80·0	77·9	79·9	79·9	78·7	77·4	76·6	77·5	76·8	76·4	78·6
29	75·6	75·8	75·2	74·8	74·2	74·5	77·4	78·9	78·9	80·1	80·9	81·3	81·2	81·7	81·5	81·9	81·9	81·3	80·5	79·9	79·5	79·5	79·4	79·0	78·9
30	78·6	78·3	77·7	77·6	78·6	78·5	79·1	78·9	78·5	79·9	80·3	80·9	81·6	82·1	82·1	81·9	82·1	81·7	80·9	80·4	79·9	79·8	80·2	80·1	80·0
Mean ...	78·4	78·3	78·1	78·1	78·1	**78·0**	78·4	79·1	79·8	80·4	81·0	81·4	81·7	81·7	**81·8**	81·5	81·3	81·1	80·5	79·9	79·6	79·4	79·1	78·8	79·8
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

290. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulb above ground) = 1·3 metres.

May, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	79·7	79·0	78·5	78·5	78·7	79·1	79·6	80·0	80·6	81·2	81·1	80·6	81·5	82·2	82·2	82·4	82·3	82·0	81·8	81·8	81·9	81·7	81·9	81·9	**80·8**
2	81·6	81·8	81·7	81·6	81·5	81·3	81·2	81·9	82·5	83·0	83·8	84·1	84·0	84·1	84·2	84·4	84·1	83·5	83·3	82·9	82·4	82·1	81·6	81·7	82·7
3	81·9	82·7	84·2	84·1	84·3	84·2	84·1	83·9	84·0	84·1	83·7	84·8	85·3	85·5	85·6	85·5	85·4	85·1	84·2	83·8	83·2	83·1	82·2	82·0	84·0
4	81·8	81·8	81·3	81·8	81·3	80·8	82·2	82·1	83·0	83·1	83·6	84·2	84·2	83·9	84·3	84·1	83·4	83·4	82·6	82·4	81·5	80·6	79·5	79·2	82·4
5	79·7	80·4	79·8	80·4	81·1	81·2	81·2	82·0	83·4	84·0	84·3	85·1	85·7	85·2	85·1	85·1	85·3	84·3	83·7	83·7	83·7	83·8	83·8	83·6	83·1
6	83·6	83·7	83·8	84·1	84·2	84·2	84·3	84·2	84·2	84·3	84·4	84·4	85·0	85·5	85·2	84·8	84·5	84·5	84·5	84·2	84·1	84·2	84·2	84·1	84·3
7	84·1	83·9	83·7	83·4	83·3	83·3	83·3	84·1	84·5	84·2	84·3	85·0	85·1	85·2	85·7	86·1	87·3	86·4	85·8	84·5	83·8	83·5	83·0	82·9	84·5
8	82·3	81·7	81·3	80·9	80·3	81·4	81·6	81·9	82·9	84·1	85·2	85·5	85·9	86·2	87·6	87·6	87·9	87·1	86·2	85·2	84·6	84·3	84·1	83·7	84·1
9	82·9	82·7	82·3	82·4	82·3	82·9	84·6	89·7	91·4	92·5	91·7	90·8	90·2	90·3	89·7	89·7	86·9	85·8	84·9	84·5	84·0	83·4	82·6	82·5	86·3
10	82·4	82·3	82·3	82·5	82·6	82·9	83·4	83·6	84·4	84·7	85·1	85·5	86·0	85·9	86·2	85·7	85·9	85·7	85·1	84·6	84·2	83·4	82·9	83·5	84·2
11	83·8	83·9	83·9	83·9	83·9	84·2	84·5	84·5	85·0	85·3	85·5	86·4	85·5	85·5	85·5	85·7	86·4	85·4	84·8	84·3	83·9	83·2	83·2	82·7	84·6
12	82·3	81·9	81·7	81·3	80·9	80·4	81·3	80·4	80·9	81·2	81·5	81·7	83·0	82·9	83·4	83·4	83·0	83·6	83·3	82·5	81·8	81·4	81·1	80·6	81·9
13	79·7	79·3	79·1	78·5	78·8	79·4	80·5	81·2	81·9	82·5	83·3	84·2	84·3	84·0	84·7	84·8	84·8	84·4	82·9	82·4	82·4	82·4	82·3	81·9	82·0
13	81·9	81·6	81·4	81·5	81·4	81·5	82·3	83·4	83·1	84·0	85·0	85·9	85·7	85·1	85·4	85·5	85·5	85·4	85·2	84·0	83·6	83·6	83·6	83·6	83·7
15	83·6	83·6	83·6	83·5	83·4	83·7	83·7	84·2	85·1	85·0	85·3	85·1	86·1	86·5	86·4	85·6	85·1	84·8	84·5	84·2	84·2	84·0	84·1	84·2	84·5
16	84·3	84·4	84·6	84·6	84·4	84·4	84·5	85·1	85·5	85·6	86·2	86·3	86·1	86·3	86·5	86·1	86·2	85·7	85·0	84·5	84·3	84·3	84·4	84·4	85·1
17	84·5	84·5	84·5	84·6	84·5	84·5	84·5	84·9	85·6	85·7	87·0	86·6	86·0	85·5	85·8	85·4	86·4	85·5	84·9	84·3	83·6	83·8	83·8	83·9	85·0
18	83·8	83·3	83·1	83·1	82·9	83·1	83·9	84·3	85·3	85·6	86·0	86·1	86·0	86·1	86·0	85·5	85·4	84·9	84·6	84·3	83·6	84·0	83·9	84·3	84·5
19	84·5	85·5	85·9	85·6	85·6	85·6	85·5	85·7	86·2	86·9	87·1	87·5	88·8	88·5	88·2	87·7	86·9	86·1	86·1	85·6	85·5	85·6	85·4	85·4	86·3
20	85·2	85·4	85·4	85·2	85·5	85·6	85·6	85·4	86·0	85·9	85·8	85·5	85·8	85·9	85·8	86·1	85·7	85·4	85·4	85·4	85·2	85·1	85·1	85·0	85·5
21	84·9	84·9	84·9	84·9	84·9	84·9	85·1	85·4	86·2	86·2	86·6	86·8	86·4	86·1	86·1	86·3	86·3	86·2	85·5	85·4	85·3	85·3	84·0	83·8	85·5
22	83·6	83·5	83·5	83·7	83·8	83·8	84·4	84·8	85·4	85·9	85·3	85·4	86·6	86·2	85·9	85·8	86·5	86·1	85·4	85·4	84·9	84·9	84·7	84·6	85·0
23	84·5	84·5	84·6	84·9	84·9	85·2	85·3	85·4	85·4	84·7	86·4	85·3	85·4	86·1	86·4	86·7	86·5	85·6	85·1	84·1	82·7	82·1	81·5	81·8	84·9
24	81·9	82·2	82·0	82·3	82·3	82·3	82·3	82·8	83·0	83·5	84·9	85·7	85·3	85·6	85·2	85·3	85·6	86·2	86·4	86·3	85·9	86·0	85·9	85·9	84·3
25	85·9	85·5	85·4	85·4	85·4	85·4	85·3	85·0	86·4	86·9	86·9	87·7	88·2	87·8	88·0	87·7	87·5	86·8	86·4	86·3	85·9	86·0	85·9	85·9	86·4
26	86·2	85·9	86·3	85·8	85·4	84·9	85·1	85·9	87·2	87·4	87·4	87·7	87·8	87·8	87·8	87·1	87·4	86·5	86·4	85·4	84·5	83·8	82·9	82·9	86·1
27	81·9	81·8	81·0	80·5	79·8	81·2	84·2	85·4	87·3	87·8	87·9	87·6	87·5	87·3	87·5	87·6	87·8	87·3	87·5	86·2	84·8	84·0	83·2	82·5	85·0
28	82·1	81·8	81·7	82·5	81·8	83·0	85·1	86·7	88·8	89·1	88·6	88·6	87·6	88·4	88·3	88·5	90·0	87·3	87·4	86·8	85·2	83·9	83·4	82·2	85·8
29	82·3	81·0	80·5	80·3	80·2	81·9	84·9	86·7	88·5	90·4	90·2	90·4	91·2	90·9	90·8	91·0	91·0	90·3	89·3	88·9	86·6	85·3	84·4	83·8	86·7
30	83·2	82·7	83·5	82·5	82·5	84·4	87·1	89·4	92·2	93·3	94·0	94·3	94·3	94·7	95·1	95·1	93·5	93·6	92·2	91·1	89·5	88·9	88·1	87·3	89·6
31	86·7	86·4	87·5	87·4	87·0	87·5	91·2	92·7	94·5	95·1	95·5	95·9	95·6	95·5	96·1	96·4	96·7	94·1	93·4	93·5	92·0	90·0	88·9	90·4	**92·0**
Mean ...	83·1	83·0	83·0	83·0	**82·9**	83·2	83·9	84·6	85·5	85·9	86·3	86·5	86·7	86·7	**86·8**	86·7	86·7	86·1	85·6	85·1	84·5	84·1	83·7	83·6	84·9

291. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres. **June, 1922.**

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	91·4	91·8	91·7	91·1	89·6	90·5	92·9	93·5	94·9	95·1	94·7	94·4	92·1	90·5	90·3	91·1	90·8	90·1	89·6	89·0	88·2	87·4	87·2	86·3	**91·1**
2	85·6	85·4	85·4	85·1	84·5	84·3	84·5	84·8	84·7	84·8	85·5	85·5	85·8	85·6	85·9	86·4	86·5	85·8	84·8	84·5	84·2	83·9	83·7	83·5	85·1
3	83·7	83·4	83·6	83·5	83·6	83·7	84·6	84·5	85·2	85·5	85·8	85·4	85·9	86·2	86·8	85·9	87·8	86·6	85·9	84·5	84·5	83·6	82·3	82·1	84·8
4	81·8	81·5	81·8	81·6	81·4	81·8	82·8	83·9	84·4	85·6	87·0	87·3	87·9	88·2	88·3	87·8	88·3	87·1	86·6	85·7	85·5	85·4	85·1	84·6	85·0
5	85·0	84·9	84·6	83·4	82·5	82·4	84·0	85·0	86·1	87·3	87·0	86·7	87·1	88·7	88·9	87·8	88·3	87·7	86·3	85·8	85·5	85·4	85·3	85·3	85·9
6	85·1	84·5	83·5	83·5	83·3	83·9	85·3	87·1	88·3	88·9	89·6	89·3	90·3	89·9	89·4	89·8	90·3	89·1	88·3	87·9	86·1	84·4	83·8	83·5	86·9
7	83·3	83·5	84·1	84·8	85·6	86·7	88·6	89·4	90·1	91·4	91·9	91·1	92·8	93·1	92·5	89·5	88·9	88·5	88·1	87·9	87·8	87·5	87·1	87·1	88·3
8	86·7	87·1	87·2	87·1	87·0	87·2	88·8	89·5	91·0	91·5	92·0	92·5	93·1	92·2	91·5	91·2	90·5	90·3	89·9	88·7	88·4	87·5	87·1	85·3	89·3
9	85·4	84·7	85·2	84·2	84·7	86·2	87·6	90·6	92·2	91·2	91·6	91·7	91·1	91·4	91·3	90·6	89·7	89·7	88·8	88·4	88·3	87·9	87·8	87·2	88·6
10	86·5	86·2	85·4	84·7	84·9	85·5	86·2	86·8	86·8	87·2	87·4	87·7	87·1	87·1	86·9	87·1	86·8	86·1	86·2	85·5	84·9	83·6	83·3	82·9	86·0
11	80·9	80·6	79·8	80·2	80·1	81·3	85·2	86·1	86·7	87·1	86·4	87·5	87·7	89·5	89·0	89·5	88·6	88·6	88·3	88·0	87·6	87·5	87·5	87·4	85·8
12	87·3	87·2	87·1	87·3	87·4	87·4	87·5	87·8	87·9	87·9	87·9	88·3	88·6	88·9	88·8	88·8	88·6	88·2	88·1	87·4	86·8	85·6	85·1	84·6	87·6
13	84·3	84·3	84·2	83·9	84·0	83·9	83·9	84·4	84·7	84·8	85·3	85·5	85·9	85·9	85·6	86·1	86·1	85·6	85·0	84·4	83·7	83·7	83·3	83·3	84·7
14	83·2	83·2	83·3	83·3	83·4	83·5	84·5	85·0	86·4	86·7	86·6	86·7	87·1	86·7	86·3	85·6	85·5	84·7	84·9	85·4	85·9	86·0	85·2	84·3	85·1
15	83·9	84·2	84·2	84·5	84·8	85·1	85·2	85·1	85·9	86·7	87·3	87·7	87·7	88·1	88·1	88·3	88·1	88·0	87·5	86·7	85·5	85·4	85·2	85·2	86·2
16	85·0	84·4	84·5	84·5	84·5	84·4	84·7	85·3	85·7	86·1	86·6	87·1	86·5	86·4	86·3	86·2	86·0	85·6	84·8	84·4	84·3	84·3	84·3	84·3	85·3
17	84·2	83·9	83·9	83·8	84·2	84·2	84·5	84·5	85·2	85·1	85·9	85·9	86·3	86·2	86·1	86·8	87·0	86·2	85·8	85·5	85·3	85·3	85·3	85·3	85·2
18	85·4	85·4	85·4	85·5	85·5	85·7	85·8	85·9	86·1	86·2	86·5	86·7	87·1	87·3	88·1	88·3	87·5	87·3	86·8	86·6	86·3	86·2	85·9	85·8	86·4
19	85·7	85·8	85·4	85·5	85·6	85·7	85·7	86·3	86·9	87·3	87·4	87·5	87·9	88·1	87·9	87·7	87·6	87·3	87·3	86·9	86·4	86·3	86·2	86·5	86·7
20	86·5	86·5	86·5	86·6	86·6	86·6	85·1	85·3	86·2	87·0	87·3	87·7	87·8	87·2	87·8	87·9	88·0	87·3	86·0	85·9	85·0	85·0	85·1	85·1	86·5
21	84·9	85·0	84·9	84·0	84·2	84·9	84·5	85·2	86·5	86·4	85·5	86·4	86·5	85·9	86·5	86·3	87·9	86·9	86·4	85·7	85·2	85·2	85·2	85·3	85·6
22	85·2	84·7	85·3	85·5	85·2	85·5	86·1	86·8	87·1	86·9	87·3	87·4	86·9	87·4	87·4	86·9	86·8	85·5	84·9	84·8	84·8	84·5	84·6	84·5	85·9
23	84·4	84·5	84·0	84·3	84·4	84·2	84·5	84·9	85·6	85·2	85·9	85·9	86·0	87·1	86·7	86·8	86·2	86·1	85·0	85·3	85·1	85·2	85·3	85·2	85·3
24	85·3	85·0	85·1	84·9	83·5	84·0	84·3	84·5	86·2	85·8	85·5	86·1	86·8	86·7	86·7	85·8	86·2	85·7	85·2	84·1	83·6	83·8	83·2	83·3	85·1
25	83·2	83·3	83·3	83·6	82·7	83·0	83·8	84·2	84·1	82·8	84·2	84·6	84·6	84·4	84·6	84·6	84·2	84·3	84·3	84·4	84·6	85·2	85·5	85·6	**84·1**
26	85·7	85·5	85·4	85·2	85·2	85·3	85·4	85·5	85·4	85·5	86·0	86·5	87·2	87·9	87·8	87·4	87·0	86·9	85·9	85·9	85·7	85·8	85·9	85·9	86·1
27	86·1	85·9	85·9	85·7	85·7	85·8	85·9	86·3	86·5	86·9	87·0	87·2	87·2	87·4	87·3	87·0	86·9	86·7	86·7	86·5	86·3	86·3	86·4	85·5	86·5
28	85·4	85·2	84·3	83·5	83·5	83·5	83·7	83·1	84·4	85·2	85·3	85·4	86·3	85·3	86·3	87·1	86·9	86·1	84·0	83·4	83·7	83·8	83·7	83·6	84·7
29	83·1	83·4	83·1	82·8	82·7	83·4	84·2	84·5	85·3	85·4	85·2	86·4	86·5	86·5	87·0	86·8	86·3	85·8	84·6	84·5	84·0	84·1	83·8	84·5	84·7
30	83·9	84·9	84·8	84·4	84·2	84·7	84·7	84·5	84·5	84·9	85·1	87·0	87·3	87·7	87·4	87·4	87·1	86·6	86·5	86·2	85·9	85·7	85·4	85·5	85·7
Mean ...	84·9	84·9	84·8	84·6	**84·5**	84·8	85·5	86·0	86·7	86·9	87·2	87·5	87·7	**87·8**	**87·8**	87·6	87·5	87·0	86·4	86·0	85·6	85·4	85·2	84·9	86·1
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

292. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulb above ground) = 1·3 metres.

July, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	86·6	86·5	85·2	84·7	84·6	84·6	85·4	85·4	86·3	87·7	86·7	85·4	87·3	87·8	88·3	87·3	87·6	87·0	86·1	85·7	85·2	85·5	85·1	85·1	86·1
2	84·9	85·1	84·8	84·7	84·9	85·1	84·7	85·6	84·6	85·4	84·9	86·9	86·1	87·5	87·6	88·0	87·7	87·3	86·3	85·6	84·7	83·9	83·9	84·4	85·6
3	84·9	85·0	84·9	85·1	85·1	85·3	85·4	85·6	87·3	87·0	87·4	87·7	87·3	88·4	88·6	87·7	87·6	86·6	86·3	85·3	85·1	85·6	85·4	85·4	86·2
4	85·4	85·2	85·3	84·5	84·5	85·0	84·5	85·8	86·2	86·0	86·1	86·7	85·9	86·1	86·6	87·4	88·0	86·4	85·8	85·3	84·4	84·1	83·5	82·2	85·5
5	81·8	81·6	81·3	81·3	81·4	82·3	82·9	84·2	85·3	86·2	86·4	86·9	87·5	87·6	87·7	86·7	85·5	85·2	85·0	84·9	83·7	84·6	84·6	84·4	84·5
6	84·2	84·4	84·0	84·0	83·4	83·6	83·9	83·2	84·9	84·9	85·1	85·8	86·1	86·5	86·6	86·0	86·5	84·9	84·5	84·9	84·2	82·5	82·6	82·3	84·6
7	82·1	82·9	82·4	83·1	83·2	83·7	84·6	84·2	85·3	85·5	85·6	85·7	86·9	87·7	88·0	87·2	86·7	85·9	84·7	83·7	82·8	82·5	82·3	82·4	84·5
8	82·6	82·8	84·2	84·1	85·1	85·3	83·9	83·2	82·4	82·7	82·5	82·3	82·7	83·1	83·6	83·4	83·9	84·1	84·4	84·4	84·4	84·4	84·3	84·4	**83·6**
9	83·8	83·9	83·9	83·9	84·1	84·2	84·2	83·3	85·3	85·9	86·3	87·0	86·9	86·9	86·8	87·1	86·9	86·5	85·7	85·3	84·6	84·1	82·8	82·3	85·1
10	81·7	80·8	80·5	80·7	80·7	82·2	84·8	86·9	88·7	88·1	88·2	88·3	89·4	89·0	88·9	89·4	89·0	88·9	88·7	87·5	86·9	85·2	84·6	84·8	85·9
11	84·0	83·4	82·4	81·9	81·4	84·3	85·2	86·2	87·3	89·0	88·8	89·3	89·5	89·4	89·4	88·5	87·5	87·3	87·1	86·6	86·2	86·3	86·0	85·9	86·3
12	85·9	85·9	85·8	85·8	85·7	86·1	86·5	85·6	85·3	85·3	86·4	86·3	86·7	86·5	86·4	86·6	86·4	85·8	85·5	85·2	85·0	84·5	84·1	84·4	85·8
13	84·3	84·2	84·1	84·4	84·5	84·3	84·6	84·8	85·0	84·7	84·6	84·8	85·3	86·1	87·5	86·7	86·8	86·5	85·9	85·5	85·0	84·8	84·8	84·7	85·2
14	84·5	84·6	84·2	84·4	84·2	84·4	85·6	84·9	85·9	86·4	87·4	87·1	86·5	87·6	85·5	87·4	87·1	86·3	85·5	85·1	84·4	84·2	84·3	84·1	85·5
15	83·7	82·8	83·5	83·3	83·4	82·5	84·2	84·8	85·0	84·9	85·8	85·7	86·1	86·9	86·7	87·5	87·5	86·4	85·4	84·9	84·9	84·7	84·5	84·4	85·0
16	83·9	83·8	84·0	84·2	84·2	84·6	85·0	84·6	85·2	86·5	86·4	87·1	87·0	87·7	87·1	87·0	86·5	85·8	85·6	85·3	85·1	85·2	85·1	84·8	85·5
17	84·8	84·1	83·8	84·1	84·5	84·5	85·1	86·4	86·7	86·9	86·6	86·7	87·2	88·0	87·0	87·2	87·9	86·6	86·4	85·8	85·5	85·0	84·4	84·2	85·8
18	84·5	84·0	83·6	83·5	83·4	83·6	84·7	85·9	86·9	86·1	87·5	88·4	87·5	88·2	88·3	88·7	88·6	88·0	87·1	86·4	85·7	85·3	84·3	84·5	86·0
19	83·9	83·6	83·4	83·6	84·5	85·2	85·6	86·5	87·7	89·0	88·5	89·5	88·5	88·1	87·7	87·8	87·3	87·3	87·2	87·0	87·0	87·1	87·2	87·4	86·6
20	87·5	87·2	87·1	86·4	86·8	87·2	87·5	88·1	88·5	88·5	88·4	88·3	88·6	88·7	88·3	87·9	86·9	85·9	85·6	85·5	85·4	85·3	85·2	84·7	87·1
21	84·7	84·5	84·7	84·7	84·9	85·1	86·0	85·6	87·0	87·1	88·1	88·6	88·4	88·6	88·3	88·7	87·4	87·2	87·6	85·9	85·8	85·5	85·5	84·9	86·4
22	84·5	84·1	83·9	83·5	83·5	84·0	85·1	85·5	86·2	87·0	87·9	87·5	87·5	87·4	87·6	87·6	87·4	86·5	85·4	85·5	85·5	85·7	85·6	85·7	85·8
23	85·5	85·7	85·6	85·6	85·7	85·7	85·8	86·1	86·5	87·2	87·6	88·5	88·5	88·6	88·0	88·4	86·9	86·5	87·0	87·1	86·3	86·2	85·9	86·1	86·7
24	86·1	86·1	86·2	86·3	86·0	86·1	86·8	87·9	88·8	88·7	89·2	89·6	89·8	89·9	90·1	89·5	90·0	88·8	88·3	87·7	86·5	85·9	85·9	85·6	**87·8**
25	86·0	85·4	85·2	85·3	85·3	85·5	85·7	86·7	87·4	88·3	88·8	88·7	88·7	89·9	89·0	88·5	88·4	87·9	87·2	87·2	87·0	87·0	86·8	86·7	87·2
26	86·9	87·1	87·2	87·5	88·1	88·1	88·5	88·5	88·5	88·5	88·3	87·2	88·2	88·7	88·5	88·9	88·5	87·9	87·7	86·5	86·1	86·1	86·3	86·3	87·7
27	86·2	86·3	85·7	85·2	85·5	85·3	85·8	86·4	87·2	88·1	87·7	87·6	89·1	88·7	88·9	88·2	88·5	88·2	87·7	86·9	85·0	83·7	83·0	81·9	86·6
28	80·9	80·4	80·0	79·6	80·3	80·3	83·5	87·7	88·2	88·6	88·9	89·4	89·7	89·7	89·2	89·1	88·5	87·9	87·6	87·3	87·3	87·4	87·5	87·6	86·0
29	87·6	87·9	87·9	88·4	88·4	88·6	88·8	88·5	88·5	88·8	89·1	89·1	89·0	88·8	87·7	86·6	86·5	86·4	86·4	86·2	85·7	85·3	85·2	85·3	87·6
30	85·4	85·2	84·8	84·1	84·2	84·5	85·4	87·3	87·7	88·5	87·3	88·3	87·4	86·4	87·6	88·4	87·6	87·2	86·6	85·5	85·3	85·5	85·5	85·5	86·3
31	85·5	85·5	85·4	85·2	85·4	85·5	85·8	85·5	86·4	87·4	87·4	87·6	87·8	88·0	88·1	87·9	87·6	87·1	86·1	86·2	85·3	85·0	85·3	85·4	86·4
Mean ...	84·7	84·5	**84·3**	**84·3**	84·4	84·7	85·3	85·8	86·5	86·9	87·1	87·3	87·5	**87·8**	87·7	87·7	87·4	86·8	86·3	85·9	85·3	85·1	84·9	84·8	86·0

293. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres.

August, 1922.

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	84·7	84·2	85·1	85·0	84·9	85·1	85·4	85·8	86·2	87·0	86·7	87·3	88·0	88·4	88·6	88·6	87·9	87·6	87·0	86·4	86·2	85·3	85·3	85·2	86·3
2	85·9	85·1	85·0	84·4	84·4	84·0	85·4	86·3	87·3	86·4	88·3	88·2	87·8	88·1	87·8	86·8	86·7	86·9	86·7	86·4	86·3	86·0	85·5	86·1	86·3
3	85·6	85·5	85·8	86·2	86·3	85·9	86·4	86·4	86·5	86·9	87·5	87·8	87·8	88·2	88·1	87·6	87·4	87·4	87·5	87·5	87·5	87·5	87·5	87·6	87·0
4	87·7	87·6	87·4	87·4	87·4	87·4	87·9	88·0	89·1	89·7	90·0	90·3	90·5	90·5	91·2	91·6	91·4	91·5	90·5	90·0	89·1	89·1	88·8	88·5	**89·3**
5	87·5	87·5	87·4	87·1	86·6	87·1	87·6	88·7	89·5	90·0	90·3	90·3	91·1	90·7	90·1	90·1	89·3	89·2	89·1	88·7	88·5	88·5	87·9	87·7	88·8
6	87·5	87·3	86·9	86·7	86·5	86·4	87·1	88·4	88·7	88·3	88·5	88·5	89·5	89·7	89·5	88·7	88·4	88·4	88·0	87·1	85·4	86·0	84·8	84·4	87·6
7	84·9	84·9	84·9	84·9	84·9	85·1	85·5	86·9	88·7	89·1	89·7	89·9	90·3	91·4	88·4	86·5	86·4	86·2	86·0	85·8	85·3	85·4	85·4	85·8	86·7
8	85·7	85·3	85·5	85·3	84·9	84·7	85·3	85·7	86·2	85·9	86·9	86·9	86·0	85·8	86·5	87·2	87·2	86·2	86·5	86·3	85·5	85·5	85·4	85·3	85·9
9	85·2	85·3	85·6	85·5	85·9	85·9	85·5	85·8	86·7	86·9	87·7	88·0	88·3	88·3	88·0	87·8	88·5	87·6	87·2	86·5	86·3	85·9	86·2	86·4	86·7
10	86·1	85·9	85·5	85·6	85·4	85·2	85·5	87·1	87·5	87·8	88·2	88·4	88·1	88·4	88·7	88·7	88·9	87·9	87·1	86·1	84·7	84·1	83·1	82·6	86·6
11	81·6	80·6	81·1	81·3	81·0	82·5	83·2	83·7	84·6	85·2	85·5	87·0	87·7	87·3	87·5	87·2	86·4	85·9	85·3	85·5	85·6	85·7	85·7	85·8	84·7
12	86·0	86·2	86·4	86·6	87·0	86·7	86·4	86·7	87·4	87·8	88·1	87·9	88·3	89·3	89·1	88·9	88·9	87·9	86·7	86·4	86·1	85·7	85·9	85·7	87·2
13	85·7	85·5	85·5	85·5	85·6	85·6	85·7	86·2	87·0	87·2	87·8	87·2	87·7	88·0	87·8	87·9	86·9	86·8	85·9	85·4	85·2	84·8	84·5	84·5	86·3
14	84·5	84·3	84·2	84·0	83·9	84·1	84·7	85·0	86·2	86·6	87·0	88·3	88·3	88·6	88·4	88·6	88·5	87·8	87·0	86·3	85·9	85·7	85·1	85·0	86·2
15	85·2	85·1	85·0	85·0	84·5	84·3	85·4	86·2	87·4	88·1	88·1	88·9	89·5	89·1	89·6	89·8	89·0	88·9	88·6	87·9	87·7	87·3	86·8	86·7	87·2
16	87·3	87·8	87·8	87·1	86·5	86·5	86·9	87·3	87·9	88·0	88·4	88·6	88·6	88·8	88·9	88·3	87·9	87·3	87·3	87·4	86·3	85·7	85·6	85·7	87·4
17	85·7	86·1	85·9	85·9	85·6	85·7	85·9	86·1	86·8	86·5	87·3	87·6	86·1	85·5	87·6	87·4	87·9	86·9	86·7	86·4	86·1	86·0	85·6	85·7	86·4
18	85·4	85·8	86·2	86·5	86·6	86·7	87·1	87·2	87·4	87·4	87·5	87·5	88·0	88·2	88·2	88·0	87·7	87·3	87·1	87·1	87·1	87·0	87·0	87·1	87·1
19	87·0	87·0	87·0	87·0	87·0	87·0	87·2	87·6	87·7	87·5	87·7	88·9	89·0	89·0	89·0	89·0	89·1	89·1	88·0	87·0	86·3	86·0	85·9	85·8	87·6
20	85·4	85·4	85·4	85·6	86·3	86·6	87·0	87·3	87·9	88·5	89·3	88·9	89·9	89·9	89·5	89·1	89·0	88·7	88·3	87·8	87·4	87·3	87·3	87·2	87·7
21	87·1	87·1	86·9	86·6	86·5	86·3	86·8	87·0	87·5	88·0	88·9	89·0	89·3	89·6	89·5	88·7	88·3	88·0	87·4	87·0	86·9	87·0	86·7	86·7	87·6
22	86·8	86·6	86·7	86·9	87·0	87·0	86·5	86·3	86·7	87·1	87·9	87·8	87·8	87·4	87·4	86·9	86·3	85·2	85·0	84·9	84·8	84·8	85·2	84·9	86·5
23	84·5	84·4	84·8	84·9	84·8	85·1	85·2	85·9	86·4	87·0	87·0	87·3	87·3	87·4	87·4	87·9	87·1	86·6	86·5	86·0	85·9	85·6	85·4	85·4	86·1
24	85·1	85·2	85·3	85·5	85·9	86·7	87·4	88·1	88·1	88·0	87·7	87·6	88·1	87·9	87·4	87·4	86·8	86·2	85·6	85·5	85·2	85·2	85·5	85·1	86·5
25	85·5	85·3	85·2	85·3	84·9	85·2	85·4	85·5	85·5	86·1	86·5	86·8	87·5	87·7	88·0	87·6	87·4	87·0	86·4	85·1	83·9	83·1	82·2	81·7	85·7
26	81·1	81·1	83·7	84·8	84·8	84·8	85·1	85·9	87·2	87·8	88·4	88·4	88·4	88·9	87·6	87·8	87·6	87·3	87·1	86·0	85·6	85·9	85·4	85·5	86·0
27	85·5	85·5	85·5	84·7	85·4	85·5	85·6	86·2	86·5	87·7	88·1	87·6	87·4	88·3	88·4	87·9	87·4	86·9	86·4	85·8	85·0	84·9	84·5	83·7	86·3
28	83·1	84·1	83·3	82·7	82·3	83·0	82·6	84·7	85·1	85·8	86·8	87·1	87·3	87·9	87·9	87·0	87·4	87·4	86·7	85·9	85·0	83·9	83·3	82·2	85·2
29	81·8	80·6	80·4	81·3	81·8	82·7	83·9	84·7	85·8	86·7	86·9	86·9	87·1	86·7	86·1	85·4	85·2	85·1	85·6	86·0	84·9	85·0	84·9	85·0	**84·6**
30	84·7	84·7	83·7	83·9	83·5	83·8	83·7	85·1	85·6	86·2	85·9	87·4	86·1	85·9	85·6	85·4	86·2	85·6	85·3	84·8	84·9	84·6	84·2	84·0	85·1
31	84·1	83·2	83·9	84·1	84·3	84·4	84·4	85·3	85·2	85·5	86·0	86·1	86·1	86·6	86·5	87·2	86·5	85·7	85·2	84·5	84·9	84·7	85·1	84·9	85·2
Mean ...	85·3	**85·2**	85·3	85·3	85·3	85·4	85·7	86·4	87·0	87·3	87·8	88·0	88·2	**88·3**	88·2	88·0	87·7	87·3	86·9	86·4	86·0	85·8	85·5	85·4	86·6
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

294. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulb above ground) = 1·3 metres.

September, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	84·4	84·1	84·2	83·7	83·6	84·4	84·7	85·1	85·3	85·1	85·2	85·4	85·9	86·1	86·2	85·9	85·4	84·8	85·1	84·9	84·9	84·8	85·1	84·8	85·0
2	84·9	84·9	84·9	84·9	84·6	84·6	84·9	85·3	86·1	86·3	86·6	87·5	88·0	87·9	88·0	87·3	87·2	86·5	86·2	85·6	85·5	85·1	84·8	85·0	85·9
3	85·2	85·5	85·7	86·3	86·7	87·1	87·2	87·0	86·8	86·8	87·1	88·0	88·5	88·5	88·5	88·3	87·6	86·8	86·5	86·2	86·0	85·7	85·8	85·5	86·8
4	85·4	85·5	85·5	85·4	84·9	84·4	84·7	85·6	87·4	89·3	90·2	90·4	90·6	90·6	90·4	90·2	89·5	89·1	88·5	88·2	88·0	87·7	87·6	87·9	87·7
5	87·9	87·9	87·6	87·2	86·9	86·7	86·9	87·1	87·6	88·4	89·3	89·0	89·1	88·8	88·8	88·3	87·4	87·7	86·9	86·7	86·3	85·8	84·7	84·5	87·5
6	84·5	84·3	84·6	84·3	83·9	84·1	84·5	86·5	87·3	87·3	87·5	87·5	87·7	88·0	88·1	88·1	87·4	86·7	85·5	84·5	84·3	84·4	83·6	83·3	85·8
7	83·3	83·3	82·5	82·5	82·1	81·2	81·5	82·6	84·6	85·5	87·2	88·0	89·8	88·9	89·0	88·8	88·9	87·9	86·8	85·8	85·5	84·7	84·4	83·9	85·3
8	83·0	82·2	81·7	81·9	82·4	82·7	83·3	85·8	86·9	87·4	87·7	88·2	89·1	89·6	89·4	90·1	89·0	88·0	87·9	87·5	87·3	87·1	87·1	86·9	86·3
9	86·8	87·4	87·4	87·1	86·8	87·0	86·8	86·9	87·0	87·3	87·7	88·5	88·3	88·6	88·0	88·5	88·6	87·6	87·1	87·0	86·4	85·8	85·6	85·7	87·3
10	85·6	85·7	85·6	85·4	84·5	83·0	83·3	85·6	86·2	87·1	87·5	87·8	87·6	87·9	87·9	87·5	87·1	86·9	86·4	85·4	84·8	84·7	84·2	83·7	85·9
11	84·3	84·5	84·6	84·6	84·5	84·4	84·7	85·1	86·0	86·3	86·4	86·9	86·7	87·7	87·4	87·3	85·9	86·0	86·0	86·2	86·3	86·4	86·2	85·3	85·8
12	85·8	85·4	84·9	85·1	84·9	85·3	85·4	86·0	86·2	85·4	85·3	86·1	85·9	85·1	85·9	85·7	85·4	84·5	84·9	85·2	84·8	84·7	84·8	84·5	85·3
13	84·7	85·2	83·9	84·1	84·1	84·3	84·3	84·3	84·8	84·9	85·1	85·4	85·1	84·9	84·6	84·0	83·5	83·7	83·7	83·6	83·9	83·8	84·0	84·1	84·3
14	84·4	84·5	84·6	85·0	85·1	85·2	85·3	85·6	86·1	86·4	86·6	87·1	86·8	86·6	86·4	86·1	85·3	85·2	85·0	84·4	84·1	84·4	84·3	84·3	85·4
15	83·9	83·9	83·5	83·8	83·5	83·5	83·4	83·8	84·0	84·4	84·6	84·9	85·4	85·6	85·9	86·1	85·7	85·0	84·3	84·3	84·7	84·9	84·6	84·8	84·5
16	85·2	85·4	85·8	86·2	86·4	86·4	86·5	86·5	86·7	86·9	86·6	86·7	87·3	87·8	87·6	87·4	86·8	86·7	86·4	86·1	85·9	86·1	85·6	85·5	86·4
17	85·5	85·0	85·3	85·3	84·6	84·2	84·4	84·4	85·1	85·5	85·6	86·1	86·3	86·0	85·8	85·9	85·5	85·0	84·4	84·2	84·1	84·0	83·9	83·7	85·0
18	83·6	83·3	83·6	83·4	82·7	84·2	84·1	84·5	85·3	85·6	86·2	86·9	87·4	87·2	87·2	86·9	86·5	86·0	85·7	85·7	85·9	86·2	85·9	86·0	85·4
19	86·1	86·5	86·8	87·0	87·4	87·5	87·7	87·9	88·0	88·3	88·1	88·3	88·4	88·4	88·3	88·2	88·1	88·2	88·4	88·3	88·1	88·0	87·7	87·1	87·8
20	86·4	85·6	85·9	85·6	85·7	85·8	85·9	86·3	86·3	86·7	87·2	87·4	87·3	87·6	88·5	88·7	88·8	89·2	88·7	88·6	88·2	88·2	88·1	88·2	87·3
21	88·0	87·9	87·9	88·0	87·6	87·5	87·1	87·9	88·1	88·5	89·7	89·9	89·4	89·4	89·8	89·4	88·6	87·8	87·4	87·3	87·1	87·0	87·1	87 1	**88·2**
22	86·9	86·9	86·8	86·8	86·7	86·7	86·8	87·1	87·9	88·0	88·4	89·4	89·4	89·6	89·6	88·8	88·4	87·9	87·3	87·1	86·7	86·4	86·7	86·6	87·6
23	86·4	86·4	86·4	86·3	86·2	86·0	85·8	85·7	86·0	86·4	87·4	87·9	88·3	87·5	88·0	87·0	86·5	86·2	85·9	85·7	86·0	86·0	86·3	86·1	86·5
24	85·2	84·0	82·9	82·5	82·4	82·4	82·9	83·5	84·9	86·2	87·4	87·9	87·9	88·4	88·1	86·8	87·0	86·6	86·2	85·9	85·9	86·3	86·4	86·5	85·6
25	86·5	86·4	86·4	86·3	85·9	85·9	86·4	86·8	87·1	86·9	87·6	88·1	88·5	88·4	87·9	87·6	87·1	86·4	86·2	86·2	85·2	85·1	85·2	85·4	86·7
26	84·8	85·3	84·7	84·7	85·0	84·7	84·5	85·2	86·0	86·4	86·6	87·0	87·5	87·5	87·4	87·3	86·9	86·8	86·7	86·5	86·2	86·2	86·3	86·3	86·1
27	86·3	86·5	86·4	86·4	86·3	86·2	86·3	86·4	86·7	87·1	87·5	88·2	88·6	88·3	88·5	88·6	88·6	88·5	87·5	86·6	85·8	84·7	84·2	83·1	86·9
28	82·6	83·4	82·4	84·5	85·3	85·2	85·2	85·3	85·5	86·2	86·9	86·7	87·4	86·7	86·3	85·9	85·8	85·1	84·6	84·1	84·1	84·2	83·8	83·7	85·0
29	82·9	81·9	80·9	79·5	78·7	78·5	79·1	80·3	81·5	83·6	84·4	84·6	84·4	84·3	83·8	84·1	84·1	84·3	84·4	84·6	85·0	85·4	85·7	85·9	**82·9**
30	86·1	86·3	86·3	86·3	86·3	86·3	86·2	86·4	86·8	87·0	87·9	87·3	87·2	87·4	87·3	87·5	87·2	86·4	85·9	85·4	84·6	83·9	84·2	84·2	86·3
Mean ...	85·2	85·2	85·0	85·0	84·6	**84·9**	85·0	85·5	86·1	86·6	87·1	87·4	**87·7**	87·6	87·6	87·4	87·0	86·6	86·2	85·9	85·7	85·6	85·5	85·3	86·1

295. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres.

October, 1922.

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	83·5	83·6	83·1	82·8	82·3	81·4	81·4	82·0	82·3	83·6	84·9	85·9	86·3	86·6	86·3	86·3	85·7	84·7	83·4	82·7	82·1	81·7	81·6	80·6	83·6
2	80·6	80·5	80·4	80·4	80·9	80·8	81·0	82·1	83·7	84·8	85·8	86·4	86·3	86·1	86·0	85·7	85·4	85·0	84·7	84·8	85·6	85·6	85·4	85·6	83·8
3	85·9	86·1	86·2	86·7	86·9	87·0	86·8	87·2	87·8	87·8	87·6	87·5	87·9	88·2	88·0	87·7	87·4	87·2	86·9	87·0	87·0	86·9	86·9	86·9	87·1
4	86·7	86·7	86·7	86·7	86·7	86·6	86·6	86·9	87·0	87·4	87·6	87·8	88·2	88·4	88·6	88·3	88·1	87·9	87·4	86·4	86·3	86·4	86·5	86·5	87·2
5	86·2	85·6	85·6	85·5	85·8	85·7	85·7	85·8	86·0	86·3	86·9	86·9	86·9	87·0	87·1	86·5	86·2	85·8	85·5	85·5	85·6	85·5	84·9	85·0	86·0
6	85·2	85·2	85·2	85·1	84·9	85·1	84·9	85·1	85·6	85·7	85·8	86·7	86·8	86·7	86·7	86·4	86·4	85·9	85·5	85·5	85·9	85·6	85·5	84·5	85·7
7	84·4	84·7	84·9	84·8	84·9	84·8	84·6	84·8	85·5	85·9	86·9	86·9	86·8	86·2	86·3	86·3	85·9	85·3	84·7	84·2	83·5	83·0	81·9	81·5	85·0
8	80·9	81·2	80·9	81·1	80·7	81·1	81·0	80·5	81·3	82·9	84·1	85·0	85·1	85·4	85·6	85·6	84·8	84·0	82·3	81·5	80·2	79·5	79·1	78·7	82·2
9	78·7	78·4	77·9	78·7	78·9	78·5	78·1	78·1	80·5	81·7	83·5	83·9	85·1	85·4	85·6	84·9	84·6	84·1	82·9	82·5	82·4	81·9	81·7	81·4	81·6
10	81·4	80·4	80·4	80·8	80·9	80·9	80·5	80·0	81·6	82·9	84·3	84·8	85·1	85·4	85·4	84·9	84·3	83·3	82·9	82·9	83·1	83·3	83·4	83·5	82·7
11	83·1	83·3	83·4	83·4	83·9	83·9	84·4	84·7	85·2	85·4	85·3	85·1	85·5	85·5	85·2	85·0	85·1	85·2	85·3	85·4	85·4	85·4	85·4	85·5	84·7
12	85·9	86·2	86·3	86·3	86·2	86·0	85·9	86·2	86·4	86·7	86·7	87·1	87·5	87·4	87·3	86·8	86·7	86·6	86·8	86·9	87·0	87·2	**87·2**	87·3	86·7
13	87·4	87·4	87·8	88·3	88·6	89·0	88·8	89·1	88·2	88·3	88·5	88·6	88·9	89·0	89·2	89·4	89·1	89·4	89·4	89·4	89·4	89·4	88·8	88·6	88·7
14	88·5	89·1	89·2	89·5	90·3	89·9	89·4	89·5	90·0	90·0	90·9	91·2	91·5	91·4	91·3	90·4	89·6	88·5	87·8	87·6	88·2	87·7	88·0	87·4	**89·5**
15	87·6	87·8	87·6	87·4	87·6	87·4	87·0	87·4	87·3	88·0	89·0	88·4	88·5	88·5	88·5	88·2	87·8	88·4	87·8	87·7	87·8	87·3	87·2	87·0	87·8
16	87·1	86·9	86·7	86·5	86·4	86·4	86·0	86·4	86·8	87·7	87·5	88·1	88·4	88·6	88·6	88·5	87·7	86·9	86·9	86·8	86·8	87·0	**87·0**	86·7	87·2
17	86·4	86·3	86·2	85·7	85·6	85·2	85·1	85·6	85·3	85·6	85·6	85·9	85·9	86·0	86·3	86·4	85·9	85·7	85·5	85·6	85·7	85·9	85·9	85·8	85·8
18	85·5	85·1	84·4	84·0	84·0	83·9	83·6	83·4	83·5	84·2	84·9	85·1	85·2	85·5	85·6	85·6	85·6	84·6	84·8	84·7	84·6	84·3	84·1	83·9	84·5
19	83·1	83·6	82·8	82·5	82·5	82·4	82·6	81·8	81·8	82·8	83·1	83·5	84·0	84·2	84·3	83·8	83·6	82·3	81·8	81·4	80·5	80·2	79·9	79·8	82·4
20	79·7	79·7	79·3	78·9	78·8	78·7	79·6	78·9	79·9	80·4	81·4	82·6	82·5	83·0	82·5	82·6	82·6	81·2	80·8	80·3	80·3	79·9	80·1	79·8	80·5
21	79·7	79·5	79·5	79·1	79·6	80·6	80·5	81·6	81·5	82·6	82·6	82·9	83·4	83·3	83·6	83·6	82·3	81·9	82·1	81·5	81·2	81·1	81·1	81·6	81·3
22	81·1	81·5	80·9	80·9	80·3	80·1	79·8	79·2	79·9	80·8	81·8	82·6	82·7	82·9	82·7	82·1	82·6	81·9	81·2	80·4	80·3	79·7	79·9	80·2	81·6
23	80·6	80·9	80·9	80·3	80·6	80·4	80·1	79·9	80·8	81·6	82·2	82·7	82·2	82·5	82·4	82·3	82·1	81·7	81·4	81·3	81·2	81·5	81·3	81·4	81·3
24	81·2	81·6	81·3	81·5	81·7	81·4	81·2	81·5	81·6	81·8	82·3	82·7	83·3	83·6	83·6	83·0	82·6	82·2	81·7	81·9	81·8	81·8	80·7	81·8	81·9
25	81·8	81·9	82·5	82·2	82·3	82·3	82·3	82·3	82·7	83·3	83·6	83·8	83·9	84·2	83·6	83·3	83·6	83·0	83·2	83·1	82·8	82·6	82·6	82·4	82·8
26	83·1	82·9	82·2	83·0	82·6	83·0	83·3	83·4	83·4	82·8	82·4	82·2	82·0	81·9	81·8	81·7	81·8	81·3	81·3	81·3	81·4	81·4	81·5	81·2	82·2
27	81·0	80·0	79·7	79·5	79·4	79·3	78·8	77·8	78·1	79·8	79·7	80·5	81·3	81·3	81·6	81·3	80·6	80·2	80·0	79·5	79·4	78·9	78·2	77·6	79·8
28	77·5	77·4	76·9	77·1	77·0	76·4	76·5	76·0	77·0	77·9	78·6	78·9	79·4	79·7	79·7	79·0	78·7	78·3	77·9	77·2	77·1	76·9	76·5	76·2	**77·7**
29	76·3	76·5	76·6	76·3	76·0	75·8	75·6	75·0	76·0	77·0	78·2	79·1	79·5	79·6	79·5	79·2	78·9	79·1	79·0	79·0	78·8	78·9	78·9	78·7	77·8
30	78·5	78·5	78·4	78·2	77·9	77·7	77·4	77·6	77·9	78·9	79·4	79·7	80·1	80·5	80·4	80·5	80·3	80·1	80·5	80·9	80·9	78·7	77·4	76·2	79·0
31	75·4	75·3	74·7	73·4	73·8	75·1	76·2	76·6	77·3	79·3	81·0	81·4	81·6	81·5	82·0	82·0	82·3	81·5	81·4	81·4	81·5	81·5	81·5	82·6	79·0
Mean ...	82·7	82·7	82·5	82·5	82·5	82·5	**82·4**	82·5	83·0	83·7	84·2	84·6	84·9	**85·0**	84·9	84·7	84·3	84·0	83·7	83·4	83·3	83·1	82·9	82·7	83·5
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	14.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

296. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulb above ground) = 1·3 metres.

November, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	83·8	84·2	84·8	84·8	83·4	81·6	81·3	81·0	81·2	81·3	81·3	81·5	80·5	81·3	80·5	79·9	80·0	79·6	79·6	79·6	80·0	79·5	79·1	78·3	81·3
2	79·2	78·4	78·1	78·1	78·2	78·5	77·7	76·9	77·4	77·8	80·5	80·7	81·3	81·2	79·9	79·7	79·4	79·2	79·2	79·8	80·0	79·8	78·8	78·0	79·1
3	77·4	77·5	77·8	78·1	78·0	77·9	78·2	78·1	78·5	79·5	80·2	80·6	81·3	81·3	81·0	79·6	79·5	79·6	77·9	78·4	79·8	79·0	78·5	78·5	**79·0**
4	78·6	80·1	79·9	79·9	79·2	79·8	79·2	79·6	79·3	80·2	80·9	81·1	81·2	81·6	81·6	81·0	79·6	79·1	77·1	76·2	75·5	75·7	76·1	79·3	79·2
5	79·5	80·0	80·6	80·6	80·3	79·9	80·1	80·5	81·2	81·8	82·8	83·5	84·3	84·3	84·7	84·0	84·1	84·5	84·9	84·1	84·6	84·6	83·8	84·0	82·5
6	83·2	83·2	83·0	83·4	83·4	83·5	83·5	83·6	83·0	83·2	82·6	83·0	82·7	82·4	80·6	81·4	82·7	82·8	83·4	83·3	83·2	82·8	82·7	83·3	82·9
7	83·3	83·2	83·4	83·5	83·1	82·6	82·8	82·2	82·9	83·0	83·4	83·3	83·4	83·2	82·5	82·0	82·1	81·4	81·3	81·3	81·4	81·5	81·5	81·4	82·5
8	81·4	81·4	81·6	81·5	81·3	81·5	81·3	80·8	81·0	81·6	82·7	82·8	83·2	83·9	83·3	83·1	82·5	82·5	82·5	82·5	82·5	81·4	80·6	79·4	82·0
9	78·6	77·5	77·3	78·1	78·2	79·4	80·7	81·3	82·2	82·8	83·4	83·3	83·4	83·3	82·9	83·2	83·4	83·4	83·5	84·0	84·4	84·7	84·8	85·1	81·9
10	85·3	85·4	85·4	84·6	84·8	84·5	84·3	84·4	84·5	84·6	84·6	85·3	85·2	85·2	84·8	84·5	83·8	83·1	83·0	83·1	82·6	82·9	82·8	82·5	84·3
11	81·9	82·1	82·3	82·5	82·2	81·1	80·7	79·8	79·7	80·1	81·5	82·7	83·3	83·6	83·3	83·2	82·5	82·5	82·5	82·3	82·2	82·0	82·5	82·6	82·0
12	82·9	82·9	82·9	82·9	83·2	83·2	83·3	83·5	84·0	84·3	84·3	84·7	84·9	84·6	84·5	84·4	84·2	84·1	84·2	84·3	84·3	84·3	84·5	84·5	83·9
13	84·5	84·5	84·5	84·5	84·5	84·4	84·4	84·5	84·5	84·6	84·7	84·9	84·9	84·9	85·0	84·9	84·9	84·8	84·9	84·9	84·8	84·7	84·7	84·7	**84·7**
14	84·6	84·6	84·5	84·3	84·1	84·0	83·8	83·2	82·5	82·9	83·7	83·9	84·1	84·2	84·3	84·0	83·2	83·2	81·5	80·4	79·6	79·2	79·0	79·4	83·0
15	78·1	77·8	77·7	77·8	77·8	77·6	77·2	78·4	78·2	79·4	81·3	82·4	83·0	83·8	83·9	83·7	83·4	83·3	83·3	83·3	83·2	83·3	83·2	83·2	80·9
16	82·9	82·6	82·4	82·3	82·1	81·8	81·5	81·5	81·7	82·2	82·2	82·6	83·0	83·0	83·0	82·8	82·3	80·6	80·2	80·4	80·2	80·4	80·3	80·4	81·8
17	80·5	80·9	81·2	81·3	81·5	81·6	81·5	81·5	82·0	82·2	82·7	82·9	83·2	83·4	83·6	83·6	83·5	83·5	83·5	83·5	83·2	83·2	83·0	82·2	82·4
18	82·1	82·6	82·7	82·9	83·1	83·1	83·4	83·9	84·1	84·3	84·2	84·3	84·5	83·5	83·4	83·3	82·6	81·8	81·8	81·3	80·7	81·1	81·1	80·7	82·8
19	80·5	80·7	81·7	81·3	81·3	80·8	80·9	83·1	83·5	83·5	83·4	83·6	83·2	82·7	83·1	83·1	83·1	82·4	83·1	83·0	83·0	82·4	82·4	82·3	82·4
20	82·1	81·5	81·0	82·0	80·8	81·3	81·4	81·3	81·4	81·8	82·4	82·5	82·9	82·5	82·0	82·0	81·7	81·6	81·6	81·6	81·5	81·8	81·6	81·5	81·8
21	81·5	81·7	81·4	81·3	81·0	80·9	80·9	80·9	81·0	81·5	81·9	82·1	82·2	82·3	82·4	82·2	81·6	81·8	81·3	80·9	80·8	81·3	81·2	81·2	81·5
22	81·4	81·5	82·2	82·3	81·6	81·5	82·2	82·6	82·7	82·7	83·3	83·5	83·9	83·9	83·5	83·1	82·7	82·6	82·7	82·7	82·6	82·8	82·7	82·6	82·6
23	82·6	82·4	82·5	82·6	82·3	82·5	82·6	82·6	82·7	83·2	83·5	83·7	83·7	83·5	82·5	82·3	82·0	81·8	81·7	81·7	81·6	81·5	81·4	81·3	82·5
24	81·1	81·1	81·2	80·9	81·2	81·4	81·3	81·2	81·4	81·5	82·1	82·7	83·3	83·5	83·6	83·5	83·4	82·8	82·3	82·2	82·1	81·9	81·6	81·7	82·0
25	82·4	81·5	80·9	79·6	79·0	77·9	78·5	78·3	78·9	79·6	80·7	81·5	82·6	83·1	82·8	82·0	81·0	80·2	79·1	78·2	76·8	76·5	76·5	76·0	79·9
26	75·8	76·5	77·3	78·2	78·5	78·5	79·0	80·3	82·1	82·6	83·2	83·7	83·6	83·6	83·5	83·1	82·9	82·6	82·5	82·6	82·3	82·5	82·5	82·4	81·1
27	82·3	82·5	82·7	82·8	83·1	83·2	83·1	82·9	82·9	83·1	83·4	83·5	83·6	83·5	83·5	82·9	81·9	81·4	82·2	81·2	79·9	78·6	77·8	76·2	82·1
28	76·5	76·4	76·9	76·5	77·7	78·2	78·7	80·2	82·0	82·9	83·4	83·7	83·9	83·9	83·6	83·5	83·5	83·3	83·5	83·5	83·5	83·5	83·5	83·5	81·3
29	83·1	83·1	83·4	83·3	83·3	83·0	82·6	82·1	81·9	81·6	81·9	82·3	82·4	82·5	82·7	82·3	82·1	81·5	81·9	81·3	81·6	82·0	82·3	82·3	82·4
30	82·4	82·0	82·4	82·2	82·6	82·9	82·9	82·8	83·1	83·3	83·4	83·5	82·7	83·3	83·1	82·8	82·7	83·1	83·2	83·3	83·0	83·0	83·1	83·0	82·9
Mean ...	81·3	81·3	81·5	81·5	81·4	**81·3**	81·3	81·4	81·7	82·1	82·7	83·0	83·2	**83·2**	83·0	82·7	82·4	82·1	82·0	81·8	81·7	81·6	81·5	81·4	82·0

297. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres.

December, 1922.

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	83·1	82·6	83·4	82·8	83·3	82·5	82·9	83·1	83·2	83·4	83·4	83·4	83·3	83·2	83·2	83·3	83·2	83·0	83·2	83·1	83·0	82·9	83·0	82·7	83·1
2	82·5	82·8	82·5	82·5	82·5	82·6	82·9	82·9	82·9	83·0	83·2	83·3	83·2	83·1	82·8	82·6	82·4	82·4	82·2	81·9	81·5	81·4	81·3	81·1	82·5
3	80·8	80·8	80·8	80·8	80·5	80·4	80·4	80·6	80·8	81·4	81·8	82·2	82·7	82·7	82·8	82·5	82·1	81·1	81·6	81·0	81·1	81·1	81·1	81·0	81·3
4	81·4	81·3	81·4	81·8	81·4	81·4	81·3	80·8	81·5	81·5	81·9	82·9	83·1	83·4	83·4	82·8	82·8	82·5	82·4	82·4	82·5	82·3	82·5	82·1	
5	82·5	82·3	82·3	82·4	82·5	82·5	82·6	82·6	82·5	82·9	83·6	83·6	83·8	84·1	84·0	84·0	83·4	83·3	83·5	83·3	82·9	82·8	82·1	82·1	83·0
6	81·6	81·4	80·0	79·5	78·6	77·0	80·1	81·0	81·5	81·7	81·8	82·1	82·3	82·4	82·4	82·1	81·8	81·8	81·3	80·2	79·5	78·4	77·2	76·3	80·6
7	75·6	76·5	77·1	77·3	78·4	78·9	79·3	80·0	80·3	80·5	82·1	82·6	82·7	82·7	83·0	82·9	82·6	82·6	82·5	82·8	82·9	82·9	82·9	82·8	80·8
8	83·1	83·3	83·4	83·4	83·4	83·4	83·6	83·5	83·4	83·5	83·2	83·3	83·6	84·0	83·2	82·9	82·7	82·5	81·9	81·4	81·6	80·2	80·5	80·5	82·8
9	79·7	79·0	77·3	76·6	76·5	76·9	77·4	78·1	78·9	79·5	80·5	81·4	82·1	82·4	82·3	82·2	81·8	81·5	81·5	81·3	81·3	81·2	81·0	80·8	80·0
10	80·9	80·7	80·5	80·4	80·4	81·4	81·6	81·6	81·7	81·9	82·1	81·9	82·1	82·3	82·3	82·3	82·4	82·4	82·4	81·8	81·9	82·4	82·3	82·3	81·7
11	82·2	82·4	82·3	82·3	82·3	82·3	82·4	82·7	82·9	83·0	82·8	82·4	82·2	82·4	82·7	82·7	82·8	83·1	83·4	83·6	83·8	83·9	83·9	84·2	82·8
12	83·4	83·5	83·5	83·9	84·0	83·9	84·1	84·2	84·2	84·3	84·6	84·8	85·0	85·2	85·2	85·3	85·2	85·3	85·4	85·0	85·1	85·3	85·4	85·5	84·6
13	85·7	85·7	85·8	85·4	85·5	85·7	85·7	83·4	82·9	83·5	84·8	85·2	85·3	85·3	85·2	85·4	85·5	85·2	85·1	84·9	84·6	84·5	83·7	83·5	**84·9**
14	83·5	83·2	82·8	82·5	82·4	82·0	81·8	81·5	80·8	81·1	80·5	81·2	81·5	82·2	82·2	81·4	80·1	78·7	78·1	77·7	77·2	76·4	76·5	76·5	80·6
15	76·6	76·3	77·3	78·6	79·2	79·2	79·6	79·6	80·2	80·1	79·9	79·9	79·8	78·9	79·4	80·0	80·4	80·4	80·2	79·5	79·8	78·7	79·4	78·8	79·2
16	77·4	76·9	75·5	75·6	76·4	77·4	79·5	80·7	81·0	81·4	81·1	81·4	81·3	80·4	81·2	80·9	79·9	80·2	79·6	79·5	79·5	79·4	77·8	79·4	79·3
17	78·5	79·4	79·5	78·4	77·7	76·7	77·1	78·3	78·1	78·2	78·1	78·6	80·1	80·9	81·2	82·4	82·2	83·7	82·8	82·6	82·2	81·6	81·3	81·4	80·0
18	80·9	80·5	80·7	80·3	79·8	79·4	79·5	79·9	80·2	79·6	79·9	80·1	81·2	81·3	81·1	80·8	80·2	80·1	79·6	80·2	81·0	81·1	80·5	81·3	80·4
19	81·4	81·6	81·6	81·5	81·5	80·7	80·1	80·0	79·9	78·9	78·3	79·0	79·7	79·0	78·9	77·9	78·0	78·2	78·1	78·5	78·8	77·9	77·6	78·9	79·5
20	78·6	78·3	79·1	77·9	79·5	78·5	78·6	78·3	76·9	77·3	79·0	79·3	78·5	78·3	78·6	78·2	79·2	79·7	80·1	79·3	79·3	79·5	78·9	78·8	78·7
21	77·3	77·2	77·9	78·7	78·4	78·5	78·9	79·6	81·2	81·8	81·8	81·4	81·6	81·8	81·9	81·0	79·5	78·7	80·6	79·8	80·8	80·6	79·7	79·9	79·9
22	79·6	80·1	80·5	79·9	80·4	80·6	80·4	80·6	80·4	80·8	80·6	81·5	81·4	82·2	81·6	80·8	82·2	82·5	82·2	82·3	82·1	82·1	81·5	81·3	81·1
23	81·2	81·0	81·0	80·3	79·7	79·6	79·7	79·1	79·9	80·0	79·8	79·5	79·8	78·9	79·1	78·1	77·8	78·7	78·7	78·6	78·6	79·0	79·1	79·5	79·5
24	79·0	80·3	79·8	80·3	80·3	80·3	80·0	80·4	80·4	80·4	81·0	80·7	81·2	80·6	80·2	80·4	80·5	80·7	81·1	81·2	81·4	81·4	81·4	81·6	80·6
25	81·9	82·2	82·5	82·9	82·5	81·9	81·0	81·6	81·8	81·6	81·0	80·7	80·9	80·4	80·6	80·2	80·5	80·4	80·0	79·6	80·4	80·8	80·6	80·2	81·7
26	80·1	79·9	79·7	79·8	80·3	80·4	79·9	78·7	79·5	79·0	79·4	80·6	80·3	80·9	80·2	80·7	80·6	80·4	81·2	80·1	80·6	80·5	79·9	80·0	80·1
27	79·9	79·7	78·5	78·7	77·7	78·3	78·8	78·6	78·2	77·4	78·5	79·0	79·1	78·2	79·0	79·2	78·4	78·7	78·5	78·9	78·6	77·5	78·7	78·0	**78·6**
28	77·5	77·5	77·5	78·9	78·3	77·9	78·6	79·1	78·9	78·8	78·6	78·5	68·6	78·6	79·4	80·0	82·6	81·6	82·1	82·2	81·9	81·4	81·2	81·5	79·6
29	81·5	81·6	81·0	81·2	80·4	80·5	80·5	80·4	80·0	79·5	80·0	80·2	80·6	80·2	80·6	79·2	78·5	77·6	77·7	77·2	77·1	77·6	76·9	78·2	79·6
30	78·5	79·2	79·4	79·1	78·8	79·2	79·4	79·1	78·8	79·4	79·9	80·5	79·6	80·3	81·0	80·5	80·5	79·9	80·5	80·3	79·4	80·1	80·1	79·7	79·7
31	79·7	81·1	81·1	80·9	81·1	80·4	80·2	80·0	80·2	80·3	81·1	81·5	81·1	81·3	80·7	80·7	80·2	80·2	79·7	79·5	79·8	79·5	79·0	77·7	80·3
Mean ...	80·5	80·6	80·5	80·5	80·4	**80·3**	80·6	80·7	80·7	80·8	81·1	81·4	81·5	81·5	**81·6**	81·4	81·3	81·2	81·2	81·0	81·0	80·8	80·5	80·6	80·9
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24	Mean

NOTE.—The initial 2 or 3 of the reading is omitted, i.e., 275·0 degrees absolute is written 75·0.

TEMPERATURE: ANNUAL MEANS OF HOURLY VALUES.

From readings, in degrees absolute, at exact hours, Greenwich Mean Time.

298. Cahirciveen (Valencia Observatory) : North Wall Screen : $h_t = 1{\cdot}3$ metres. **1922.**

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
82·26	82·20	82·15	82·11	**82·04**	82·09	82·32	82·67	83·14	83·55	83·96	84·26	84·45	**84·56**	84·51	84·33	84·09	83·73	83·39	83·09	82·86	82·68	82·50	82·36	83·14

TEMPERATURE: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

299. Cahirciveen (Valencia Observatory) : North Wall Screen : $h_t = 1{\cdot}3$ metres. **1922.**

Month.	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
Jan.	280·66	−0·09	−0·06	−0·01	−0·07	−0·22	−0·19	**−0·25**	−0·24	−0·17	−0·06	+0·13	+0·43	+0·49	**+0·55**	+0·42	+0·19	−0·09	−0·17	−0·26	−0·21	−0·07	−0·07	+0·09	−0·07
Feb.	280·90	−0·29	−0·31	−0·30	−0·36	−0·54	−0·57	**−0·65**	−0·61	−0·63	−0·19	+0·35	+0·76	+0·77	**+0·93**	+0·90	+0·66	+0·49	+0·25	−0·01	−0·18	−0·07	−0·04	−0·13	−0·22
Mar.	280·33	−0·73	−0·80	−0·85	−0·94	−1·11	−1·16	**−1·31**	−1·06	−0·50	+0·29	+0·73	+0·90	+1·32	**+1·56**	+1·50	+1·42	+1·10	+0·69	+0·32	+0·20	−0·04	−0·31	−0·51	−0·68
April	279·81	−1·32	−1·48	−1·64	−1·62	−1·65	**−1·76**	−1·40	−0·72	+0·04	+0·63	+1·20	+1·59	+1·83	**+1·93**	**+1·93**	+1·71	+1·50	+1·22	+0·65	+0·06	−0·30	−0·50	−0·79	−1·11
May	284·87	−1·60	−1·71	−1·75	−1·80	**−1·90**	−1·62	−0·86	−0·22	+0·67	+1·07	+1·39	+1·60	+1·77	+1·77	**+1·89**	+1·81	+1·74	+1·15	+0·64	+0·13	−0·51	−0·89	−1·29	−1·42
June	286·14	−1·27	−1·35	−1·44	−1·59	**−1·71**	−1·37	−0·69	−0·16	+0·54	+0·80	+1·07	+1·36	+1·57	+1·65	**+1·66**	+1·51	+1·44	+0·91	+0·33	−0·09	−0·44	−0·69	−0·91	−1·11
July	285·97	−1·32	−1·45	−1·62	**−1·68**	−1·55	−1·24	−0·63	−0·13	+0·55	+0·96	+1·12	+1·38	+1·55	**+1·85**	+1·76	+1·70	+1·42	+0·81	+0·37	−0·10	−0·62	−0·87	−1·08	−1·20
Aug.	286·57	−1·29	**−1·41**	−1·33	−1·31	−1·31	−1·16	−0·84	−0·21	+0·41	+0·74	+1·21	+1·44	+1·59	**+1·74**	+1·63	+1·43	+1·16	+0·75	+0·33	−0·12	−0·59	−0·78	−1·02	−1·15
Sept.	286·08	−0·87	−0·92	−1·10	−1·09	−1·23	**−1·24**	−1·09	−0·53	+0·06	+0·49	+0·97	+1·36	**+1·58**	+1·56	+1·54	+1·33	+0·91	+0·50	+0·15	−0·14	−0·35	−0·48	−0·61	−0·75
Oct.	283·45	−0·76	−0·81	−0·93	−0·97	−0·94	−1·00	**−1·09**	−1·00	−0·50	+0·20	+0·79	+1·15	+1·45	**+1·57**	+1·49	+1·28	+0·91	+0·52	+0·21	0·00	−0·11	−0·33	−0·52	−0·69
Nov.	281·96	−0·64	−0·63	−0·50	−0·49	−0·60	**−0·69**	−0·66	−0·53	−0·24	+0·14	+0·69	+1·03	+1·22	**+1·27**	+1·01	+0·74	+0·45	+0·18	+0·02	−0·13	−0·26	−0·36	−0·51	−0·59
Dec.	280·91	−0·49	−0·39	−0·46	−0·50	−0·52	**−0·61**	−0·37	−0·29	−0·18	−0·09	+0·19	+0·47	+0·64	+0·64	**+0·70**	+0·52	+0·42	+0·33	+0·34	+0·11	+0·12	−0·05	−0·29	−0·25
Year	283·14	−0·89	−0·95	−1·00	−1·04	**−1·11**	−1·05	−0·82	−0·47	0·00	+0·41	+0·82	+1·12	+1·31	**+1·42**	+1·37	+1·19	+0·95	+0·59	+0·26	−0·04	−0·27	−0·45	−0·63	−0·77

ABSOLUTE EXTREMES OF TEMPERATURE FOR EACH DAY.

Maximum and minimum for the interval 0 h. to 24 h., Greenwich Mean Time.

300. Cahirciveen (Valencia Observatory) : North Wall Screen : $h_t = 1{\cdot}3$ metres. **1922.**

Month	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	85·3	83·3	83·9	77·0	81·5	76·9	79·3	73·9	82·5	78·5	**95·1**	86·3	88·3	84·5	88·8	84·0	86·4	83·5	86·6	80·6	84·9	78·3	83·4	82·5
2	85·4	80·7	84·6	83·4	84·9	77·9	80·2	76·5	84·5	80·9	86·7	83·5	88·1	83·6	88·3	84·4	88·1	84·5	86·9	80·3	81·3	76·3	83·4	**81·1**
3	81·7	79·6	83·6	81·4	84·6	80·5	81·2	74·7	85·7	81·7	87·9	81·9	88·9	84·4	88·3	85·5	88·9	85·0	88·4	85·6	81·4	77·4	82·4	80·3
4	80·5	78·5	81·7	77·8	82·5	78·8	82·4	74·5	84·6	78·9	88·5	81·3	88·1	82·2	**91·6**	87·4	**90·9**	84·4	88·6	86·0	81·9	**75·2**	83·4	80·6
5	81·9	78·9	80·5	75·9	83·7	79·5	82·6	75·4	85·7	79·2	89·0	82·4	88·0	80·9	91·1	86·5	89·4	84·4	87·3	84·6	85·0	78·6	84·1	81·6
6	83·3	81·1	83·1	79·2	81·8	77·8	82·3	**73·1**	85·6	83·6	90·5	83·0	86·7	82·3	90·1	84·4	88·2	83·3	86·9	84·5	83·5	80·4	82·4	76·3
7	84·5	80·4	82·6	81·4	82·1	77·5	80·6	78·3	87·4	82·7	93·2	83·0	88·3	82·1	91·4	84·4	89·8	81·2	86·9	81·3	83·8	81·2	83·0	75·5
8	85·6	81·7	82·9	80·0	81·3	78·4	82·2	77·2	88·2	80·2	93·1	85·3	85·6	82·2	87·4	84·5	90·2	81·5	85·7	78·7	84·1	79·4	84·1	80·1
9	**86·2**	82·0	83·0	79·7	80·4	77·3	83·2	76·8	92·5	82·0	92·4	84·0	87·6	82·1	88·6	85·2	88·8	85·5	85·4	77·7	85·1	77·2	82·5	76·4
10	82·6	80·8	82·2	78·0	81·4	76·4	83·8	75·8	86·4	82·2	88·6	82·9	89·6	80·5	89·0	82·6	88·2	82·3	85·5	80·0	**85·5**	82·4	82·4	80·4
11	82·1	77·1	82·9	80·8	82·2	80·6	82·0	76·2	86·8	82·7	89·5	**79·6**	89·9	81·0	87·8	80·5	88·3	83·7	85·6	83·1	83·7	79·4	84·2	82·0
12	80·8	72·2	82·6	78·2	83·5	79·9	78·8	75·0	83·7	80·4	89·0	84·6	87·3	84·0	89·5	85·5	86·5	84·2	87·6	85·7	84·9	82·6	85·5	83·3
13	80·7	78·3	80·4	75·3	85·0	79·6	82·3	75·1	85·3	**78·2**	86·1	83·0	87·9	84·1	88·0	84·5	85·5	83·4	89·5	87·1	85·1	84·4	**85·9**	82·8
14	81·4	79·3	82·4	75·2	84·6	77·4	84·5	75·5	86·0	81·4	87·3	83·1	87·8	84·1	88·9	83·9	87·2	84·1	**91·6**	87·3	84·7	78·7	83·8	75·9
15	83·9	76·1	83·7	80·4	**86·3**	79·8	81·8	77·8	86·6	83·4	89·1	83·6	87·7	82·5	90·1	84·0	86·2	83·3	89·0	86·9	84·0	77·0	80·6	76·1
16	77·8	74·9	83·9	78·6	84·3	79·1	81·2	77·2	86·6	84·2	87·2	84·1	87·9	83·5	89·2	86·4	87·9	84·8	88·6	86·0	83·2	80·0	81·5	**75·4**
17	80·9	76·4	80·5	76·5	83·5	81·1	83·3	76·0	87·2	83·5	87·1	83·7	88·1	83·5	88·1	85·2	86·7	83·7	86·8	84·7	83·6	80·4	83·7	76·6
18	82·1	77·5	83·1	77·5	82·6	79·0	84·1	74·5	86·6	82·6	88·7	85·3	89·0	83·2	88·5	85·4	87·4	82·5	85·6	83·3	84·6	80·4	81·6	78·5
19	77·6	74·4	83·9	77·3	83·7	76·4	83·9	80·8	89·1	84·3	88·1	85·4	89·7	83·4	89·7	85·8	88·8	86·0	84·5	79·6	83·7	80·1	81·7	77·5
20	84·1	**72·1**	81·3	77·4	81·2	78·3	84·1	79·7	86·4	85·0	88·1	84·7	89·0	84·7	90·1	85·3	89·2	85·5	83·0	78·5	83·0	80·6	80·1	76·6
21	84·5	79·4	79·0	**74·7**	80·0	75·0	84·0	79·6	86·8	83·7	88·3	84·0	88·9	84·5	90·0	86·2	90·0	86·9	83·4	78·6	82·5	80·7	82·3	77·1
22	84·2	80·6	83·8	78·1	79·1	**74·6**	84·6	80·4	86·6	83·4	88·5	84·3	88·0	83·4	88·5	84·7	90·2	86·4	83·2	79·2	84·1	81·1	82·5	79·3
23	84·5	81·7	**85·6**	82·6	81·2	75·3	**84·9**	79·9	87·0	81·5	87·3	83·9	89·0	85·5	87·9	84·2	88·3	85·7	82·7	79·7	83·8	81·3	81·3	77·6
24	82·1	75·1	85·5	81·8	82·9	77·0	82·6	78·5	86·5	81·8	87·2	82·6	**90·4**	85·6	88·2	85·0	88·6	82·3	83·6	80·7	83·6	80·9	81·6	79·0
25	82·5	73·5	82·3	79·7	80·1	76·4	84·0	79·2	88·5	84·9	85·6	82·7	89·9	85·1	88·1	81·7	88·6	85·1	84·2	81·5	83·1	75·8	83·0	79·3
26	83·5	80·3	83·0	77·8	82·7	77·1	81·9	76·5	88·0	82·7	87·9	85·1	89·1	85·9	89·0	80·9	87·8	84·5	83·6	81·1	83·8	75·6	81·4	78·5
27	83·1	79·5	81·4	77·7	80·3	76·8	82·5	77·1	88·6	79·8	87·5	85·5	89·4	81·9	88·7	83·7	88·8	83·1	81·8	77·6	83·6	76·2	80·2	77·3
28	82·1	79·3	82·4	77·4	82·9	77·2	81·1	76·4	90·0	81·3	87·1	83·1	90·0	**79·5**	88·0	82·1	87·5	82·0	79·9	76·2	84·0	75·8	82·6	77·0
29	81·7	78·6	—	—	82·9	76·6	82·4	74·1	91·2	80·2	87·4	82·2	89·5	85·1	87·2	**80·4**	85·9	**78·5**	79·6	75·5	83·5	81·3	81·9	76·6
30	82·2	78·6	—	—	84·4	79·9	82·6	77·4	95·4	82·2	87·7	83·9	88·6	84·0	87·5	83·4	87·9	83·9	81·0	76·2	83·6	81·9	81·1	78·2
31	82·1	78·6	—	—	80·2	75·8	—	—	**97·0**	86·4	—	—	88·2	85·0	87·3	83·2	—	—	82·6	**73·4**	—	—	81·8	77·7
Mean	82·6	78·4	82·7	78·6	82·5	77·9	82·5	**76·8**	87·5	82·0	88·7	83·6	88·5	83·4	**88·9**	84·2	88·2	83·8	85·3	81·3	83·7	79·3	82·6	78·6

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Percentages, at exact hours; Greenwich Mean Time, determined as explained on page 13.

301. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

January, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	95	96	88	88	88	88	88	88	90	88	87	89	89	88	88	86	88	89	89	86	86	88	89	89	88·7	**12·0**
2	89	88	89	88	90	95	95	95	96	92	92	91	86	78	82	90	92	83	81	77	71	67	75	70	85·9	11·0
3	68	72	74	66	66	69	66	77	75	69	72	80	83	74	77	74	70	79	75	77	72	68	72	73	72·8	7·8
4	70	60	66	66	68	69	68	64	71	76	73	70	80	73	67	77	80	76	77	76	81	74	74	76	72·1	7·0
5	77	77	81	77	78	83	80	82	83	86	82	78	78	80	82	86	88	83	83	85	83	76	78	88	81·2	8·2
6	88	88	86	89	93	92	88	90	93	80	77	81	81	92	87	94	89	94	97	97	96	97	96	92	89·8	10·2
7	88	77	76	78	78	80	86	84	86	89	90	90	91	91	87	90	87	86	85	90	94	94	90	92	86·6	10·2
8	90	92	83	82	79	79	78	77	82	79	82	85	84	83	87	90	93	93	96	94	98	94	91	88	86·7	10·8
9	87	89	87	90	91	89	88	91	84	86	84	88	88	93	94	94	93	90	90	84	83	80	74	79	87·5	11·6
10	78	82	81	88	90	78	75	80	82	81	77	75	73	71	74	77	67	69	67	72	70	76	69	68	76·1	8·5
11	74	78	76	78	79	77	72	72	70	74	72	68	66	65	66	69	71	69	68	75	70	72	65	71	**71·5**	7·5
12	74	65	69	71	70	74	78	76	79	78	72	71	71	71	71	68	68	71	70	66	71	76	78	82	72·3	6·2
13	88	90	94	88	89	85	80	77	76	75	68	74	66	66	68	70	78	72	75	64	67	71	72	75	76·3	7·6
14	73	74	72	81	82	80	75	75	77	75	75	78	76	78	82	83	86	89	89	88	88	89	93	94	80·9	8·2
15	96	97	96	97	97	97	96	95	88	89	78	62	68	82	75	84	79	72	66	68	74	67	81	80	83·0	8·4
16	76	84	80	76	86	70	81	80	83	78	84	86	77	74	78	76	74	70	81	76	78	84	68	76	78·2	**6·0**
17	80	71	67	78	70	84	70	70	74	85	72	68	65	63	70	75	79	78	75	83	88	94	92	90	76·4	6·9
18	96	92	94	84	82	76	71	71	71	72	78	79	84	88	89	89	92	86	86	88	91	91	90	88	84·5	8·5
19	90	92	86	88	86	87	84	79	86	84	86	91	90	90	82	78	80	77	78	80	76	79	78	86	83·9	6·3
20	88	90	88	90	90	90	90	90	86	82	80	67	80	79	85	86	86	88	87	86	89	96	96	92	86·6	6·7
21	90	90	92	88	87	89	82	75	69	68	71	71	78	67	66	72	72	81	82	86	84	85	86	88	80·0	8·8
22	86	88	88	86	87	84	84	82	80	79	79	77	76	77	78	79	79	79	86	84	83	80	79	82	81·9	10·1
23	86	83	80	80	77	75	76	76	75	74	74	74	71	71	71	71	74	75	74	75	74	76	72	73	75·5	9·3
24	73	73	74	76	78	82	77	76	73	73	73	72	74	74	80	76	78	82	77	76	78	80	80	82	76·4	7·1
25	80	84	82	85	85	82	87	82	84	82	82	80	84	88	89	85	90	90	90	90	85	82	72	77	84·1	7·5
26	78	81	82	90	92	87	88	88	88	89	88	83	80	78	79	83	83	84	90	89	79	78	76	78	83·8	9·5
27	78	78	77	76	82	77	80	81	79	86	84	85	87	86	87	84	83	84	80	77	86	89	89	92	82·5	9·1
28	93	93	92	93	96	92	94	93	92	86	84	82	84	82	86	92	93	96	92	90	90	90	90	89	**90·2**	9·6
29	88	88	82	78	84	86	89	89	86	88	89	89	86	86	86	85	82	85	90	92	93	88	89	90	87·0	8·9
30	88	92	86	86	88	77	86	88	79	83	86	84	89	87	88	89	89	85	85	89	88	88	86	92	86·5	9·1
31	92	92	89	92	92	86	88	86	90	84	89	89	85	79	83	74	63	68	72	71	68	72	69	74	81·5	8·4
Mean ...	83·8	83·7	82·5	83·0	**83·9**	82·5	81·9	81·6	81·5	81·0	80·0	79·3	79·7	**79·2**	80·1	81·5	81·5	81·4	81·7	81·7	81·7	82·0	80·9	82·8	81·6	†8·6
Vapour Pressure* ...	mb. 8·7	mb. 8·7	mb. 8·6	mb. 8·6	mb. 8·7	mb. 8·6	mb. 8·4	mb. 8·4	mb. 8·4	mb. 8·4	mb. 8·4	mb. 8·4	mb. 8·6	mb. 8·5	mb. 8·6	mb. 8·5	mb. 8·4	mb. 8·4	mb. 8·4	mb. 8·4	mb. 8·5	mb. 8·5	mb. 8·4	mb. 8·6	mb. ‡8·5	

302. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres.

February, 1922.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	77	77	75	80	84	84	86	90	89	84	82	80	78	81	84	90	92	89	90	92	90	94	100	98	85·6	9·1
2	97	97	98	94	92	92	94	94	92	84	85	91	92	92	90	88	86	86	86	87	88	83	83	83	90·1	**11·7**
3	87	86	79	77	81	81	81	83	81	87	85	82	86	86	89	87	76	78	75	80	76	71	75	70	81·1	9·5
4	68	66	66	65	70	73	67	70	68	69	73	67	69	69	76	73	71	73	71	76	72	71	78	74	**70·5**	7·3
5	78	81	76	78	80	80	80	82	86	85	86	82	81	75	75	78	81	80	81	81	81	77	76	74	79·8	7·2
6	76	76	78	81	81	78	81	77	80	76	78	75	76	78	78	79	78	80	89	90	90	90	92	92	80·8	8·8
7	87	87	80	77	76	77	84	88	89	80	78	76	76	77	76	80	84	90	90	92	93	96	97	97	84·4	9·7
8	96	96	94	96	97	94	94	94	94	94	93	87	86	85	84	88	90	93	92	90	86	83	80	78	**90·6**	10·1
9	78	72	76	80	80	77	75	79	74	75	72	71	70	70	71	71	75	70	75	75	75	77	74	74	74·5	8·1
10	77	77	76	76	78	77	80	81	78	78	76	74	78	77	78	79	80	80	78	80	79	79	79	80	78·0	8·0
11	80	78	78	77	77	78	81	81	78	78	78	76	80	81	79	80	80	76	74	72	72	75	73	73	77·4	8·9
12	73	74	80	87	87	86	88	92	90	90	89	89	84	80	75	68	64	64	66	72	80	72	70	80	79·0	8·3
13	79	74	78	77	82	80	76	74	79	62	58	64	71	73	76	70	75	81	81	86	88	88	90	90	77·0	6·9
14	92	92	91	90	90	90	88	87	84	80	78	78	79	80	88	93	94	94	93	94	96	97	97	94	89·0	8·4
15	96	94	94	92	88	91	90	92	90	88	84	81	84	85	86	90	88	90	91	91	94	95	97	97	90·3	10·4
16	94	93	96	94	94	93	93	92	92	88	93	92	88	84	83	86	88	86	89	88	86	86	88	90	90·0	9·9
17	90	88	90	86	86	86	81	80	71	68	68	67	82	86	83	84	87	82	84	86	80	79	72	71	81·1	7·1
18	78	75	76	74	76	86	82	79	88	86	86	80	74	77	80	82	83	84	92	94	94	93	97	94	83·3	8·3
19	93	93	91	91	94	95	92	93	92	94	95	90	73	63	66	66	61	70	80	81	72	65	68	70	81·7	9·4
20	75	80	68	76	76	70	77	67	69	72	73	78	84	72	72	86	83	82	87	88	87	92	90	88	78·5	7·3
21	87	84	89	90	87	78	83	84	84	73	73	71	78	90	88	87	86	79	86	81	78	80	76	81	82·4	**6·6**
22	75	71	76	76	74	83	75	82	91	91	93	93	94	95	90	93	92	91	91	92	93	92	94	96	86·9	9·8
23	91	91	92	91	88	89	89	88	91	91	87	89	88	85	85	83	86	88	90	91	89	90	89	89	88·9	**11·7**
24	89	91	92	91	90	90	91	89	87	78	76	70	76	77	78	76	77	77	91	92	86	84	82	93	84·2	11·5
25	92	93	93	93	94	94	92	94	93	94	93	93	86	89	89	83	80	81	79	77	76	82	86	92	88·3	9·3
26	92	88	86	80	86	79	77	78	72	74	84	77	82	69	63	59	62	82	81	84	81	83	82	85	78·7	8·2
27	69	75	78	76	73	85	86	85	86	86	78	77	71	77	74	74	74	74	76	76	81	85	83	78	78·4	7·8
28	83	82	74	67	67	68	73	74	73	70	71	70	67	66	76	74	76	81	82	85	89	86	84	86	75·8	7·7
Mean ...	83·9	83·3	82·9	82·6	83·1	83·4	83·4	83·9	83·6	81·3	80·9	**79·3**	79·7	**79·3**	79·7	80·3	80·3	81·5	83·6	**84·7**	84·0	83·7	84·0	84·5	82·4	†8·8
Vapour Pressure* ...	mb. 8·7	mb. 8·6	mb. 8·6	mb. 8·6	mb. 8·5	mb. 8·5	mb. **8·4**	mb. 8·5	mb. 8·5	mb. **8·4**	mb. 8·8	mb. 8·8	mb. 8·9	mb. 8·9	mb. **9·0**	mb. 8·8	mb. 8·7	mb. 8·7	mb. 8·9	mb. 8·9	mb. 8·8	mb. 8·8	mb. 8·7	mb. 8·9	mb. ‡8·7	

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages, at exact hours, Greenwich Mean Time, determined as explained on page 13.

303. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

March, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	81	84	87	87	87	87	87	87	91	87	71	76	79	83	79	82	86	86	71	60	60	63	71	85	79·9	7·5
2	84	76	79	82	76	81	81	84	86	81	84	82	91	93	95	93	93	96	95	95	96	96	92	90	**87·4**	9·7
3	91	92	92	92	91	88	88	88	88	83	84	88	85	86	86	85	83	82	87	88	82	80	85	86	86·7	**10·7**
4	80	79	86	81	78	81	76	76	73	71	71	76	73	68	70	71	76	77	79	82	75	87	91	92	77·7	8·3
5	93	92	91	92	89	89	92	91	93	91	84	83	77	72	71	72	74	71	73	78	73	67	75	71	81·9	9·2
6	72	71	77	76	80	78	83	88	77	76	87	90	90	90	87	80	83	81	86	78	75	77	77	74	80·5	8·1
7	78	80	76	75	73	79	74	77	86	81	76	75	80	78	76	79	81	80	82	83	82	83	86	87	79·2	7·6
8	85	83	81	77	76	68	68	73	66	66	62	61	63	62	65	60	66	66	67	69	72	73	75	71	70·1	6·8
9	81	76	76	82	87	85	72	74	79	72	73	77	79	69	85	83	82	73	72	70	68	64	64	68	75·5	7·0
10	66	64	61	65	63	63	67	67	66	65	64	62	62	63	63	65	69	71	72	66	67	69	71	72	65·9	6·2
11	78	75	73	76	81	81	83	80	80	73	73	70	73	75	75	77	74	80	76	77	76	76	78	75	76·4	8·3
12	75	78	77	80	83	83	89	80	79	75	77	78	81	83	85	85	86	88	83	80	81	81	80	80	81·0	9·3
13	85	85	87	84	86	85	82	83	77	76	76	77	70	69	70	68	70	67	69	76	78	77	81	85	77·5	8·9
14	87	85	88	84	85	86	85	79	82	67	70	65	66	68	69	71	74	72	72	77	80	81	84	81	77·5	8·3
15	85	86	85	82	83	83	81	79	76	72	69	66	65	63	63	64	69	74	77	79	77	78	79	80	75·6	9·0
16	79	79	80	82	81	82	80	74	73	74	67	69	70	71	69	72	70	73	75	78	78	79	78	77	75·4	8·5
17	77	75	65	65	66	70	68	72	75	71	69	68	67	66	71	76	76	79	79	78	79	78	79	78	72·8	8·3
18	77	79	78	78	77	77	78	72	73	74	75	73	74	73	73	72	71	73	75	75	74	77	83	82	75·5	8·2
19	79	81	78	78	77	76	83	83	85	76	75	73	69	66	70	70	72	75	77	82	77	79	77	75	76·5	8·0
20	68	66	70	69	65	65	69	73	71	67	67	62	62	62	59	57	60	60	64	64	66	73	74	71	66·1	6·4
21	71	66	67	69	70	71	72	71	71	64	62	62	56	56	55	52	53	51	57	61	65	65	65	68	**63·4**	**5·3**
22	71	69	68	71	68	72	75	72	72	75	69	64	58	55	57	63	61	63	62	67	69	71	75	77	67·5	5·5
23	73	73	75	67	75	76	81	83	75	72	63	61	62	68	64	70	73	75	77	79	81	85	91	86	74·2	6·8
24	90	81	82	85	85	91	92	86	78	83	75	77	68	65	71	69	72	76	81	79	71	74	74	83	78·7	8·2
25	77	69	68	73	67	67	72	77	73	69	68	78	66	75	74	69	79	80	81	75	83	83	77	77	74·2	6·5
26	73	74	71	71	69	73	80	70	68	70	68	73	75	74	68	69	69	70	72	75	76	75	80	81	72·6	7·5
27	73	85	83	75	74	79	77	76	75	73	76	79	61	60	63	73	66	71	66	63	66	66	67	64	71·6	6·7
28	67	71	68	68	66	69	66	68	70	68	70	68	69	65	60	55	56	58	61	68	78	77	78	76	67·3	6·5
29	76	76	75	77	75	75	74	73	72	69	68	67	68	65	62	63	63	68	69	68	73	73	75	77	70·9	7·1
30	77	79	77	76	75	76	77	72	72	70	70	67	68	66	66	65	70	80	81	79	80	82	82	83	74·5	8·4
31	85	89	89	87	89	86	82	64	73	79	82	73	70	61	58	65	68	70	73	73	74	75	79	76	76·0	7·0
Mean ...	78·4	78·0	77·7	77·6	77·3	78·1	**78·5**	77·2	76·6	73·9	72·4	72·3	70·9	**70·0**	70·3	70·8	72·1	73·7	74·5	74·9	75·2	76·3	78·2	78·3	75·2	†7·7
Vapour Pressure.* ...	mb. 7·0	mb. 7·0	mb. 7·5	mb. 7·4	mb. 7·3	mb. 7·3	mb. **7·3**	mb. 7·3	mb. 7·6	mb. 7·7	mb. 7·8	mb. 7·8	mb. 7·9	mb. **8·0**	mb. 7·9	mb. 7·9	mb. 7·9	mb. 7·9	mb. 7·8	mb. 7·8	mb. 7·9	mb. 7·6	mb. 7·7	mb. 7·6	mb ‡7·6	

304. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres.

April, 1922.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	72	73	73	77	77	79	79	73	68	64	63	57	60	59	61	58	59	59	58	62	62	63	64	67	**66·3**	**5·2**
2	68	68	65	65	68	69	69	71	71	69	70	69	68	71	67	67	65	62	64	64	63	65	68	69	67·3	5·8
3	71	73	73	73	75	76	73	76	73	69	65	61	58	56	56	59	58	60	64	65	68	68	74	79	67·4	5·7
4	80	83	87	82	80	79	84	81	70	68	67	79	72	69	74	71	70	77	75	78	82	82	87	90	77·6	7·2
5	87	87	89	90	90	88	89	91	87	86	79	71	76	76	73	73	71	68	73	75	75	77	81	83	80·8	7·8
6	85	85	87	85	87	87	89	92	85	75	69	66	65	64	67	67	68	68	68	66	69	72	72	72	75·6	6·7
7	72	77	78	82	81	83	83	85	82	81	82	82	76	77	82	85	83	83	81	79	73	73	77	71	79·5	7·5
8	71	64	63	70	73	78	67	63	74	64	63	66	65	65	59	64	67	71	74	75	75	75	79	83	69·3	6·9
9	81	85	69	73	82	78	79	82	73	73	66	71	70	70	71	70	67	70	77	83	85	87	85	87	76·3	7·7
10	87	84	83	82	75	74	81	68	67	65	65	58	57	54	54	57	59	66	65	70	71	73	76	80	69·8	7·1
11	83	81	86	83	80	83	83	76	76	67	67	87	87	87	90	86	83	76	76	87	71	76	79	83	80·5	7·7
12	85	85	87	87	87	89	87	73	75	73	82	87	83	82	87	87	79	70	73	78	73	78	73	75	80·8	6·6
13	74	80	82	83	87	85	91	91	86	81	79	76	75	73	73	72	72	70	70	79	82	78	78	76	78·9	7·3
14	76	80	77	76	85	89	87	89	89	91	88	93	95	88	82	88	87	91	88	83	87	89	88	77	85·9	8·5
15	85	81	83	81	77	76	72	74	72	72	72	76	76	78	72	76	76	76	71	67	71	79	69	68	75·2	7·6
16	64	65	67	66	69	70	75	63	66	70	65	65	73	66	71	68	65	67	67	69	70	78	70	72	68·3	6·6
17	75	68	69	71	73	76	82	78	63	64	64	67	65	64	64	64	65	66	73	81	84	75	83	83	71·3	7·2
18	85	81	83	83	82	85	83	78	72	67	69	68	69	67	70	68	73	76	78	83	84	84	85	86	77·4	7·8
19	85	86	85	86	86	85	84	82	81	76	77	79	79	83	89	93	95	96	95	95	95	96	97	97	**87·4**	**10·0**
20	99	92	92	92	87	86	85	78	75	72	70	66	63	67	66	66	70	67	75	83	86	87	89	91	79·5	9·1
21	91	91	91	93	96	95	91	92	93	92	91	78	67	64	66	66	70	77	73	73	83	71	76	75	81·8	9·3
22	81	76	83	80	87	91	91	91	91	88	89	91	89	89	87	85	90	84	88	91	88	91	89	87	87·1	9·9
23	80	78	81	81	79	83	84	88	93	84	86	83	81	79	78	77	71	76	70	79	71	79	70	71	79·6	9·6
24	72	71	75	79	74	74	79	87	70	78	74	80	71	69	68	70	68	70	73	69	73	69	69	75	73·1	7·9
25	77	76	82	78	83	84	87	89	91	93	95	95	95	90	87	83	85	84	83	73	69	70	71	80	83·2	9·1
26	85	83	82	72	85	81	77	82	73	72	71	67	72	68	68	77	85	87	85	81	88	85	85	85	78·0	7·3
27	77	83	87	78	74	71	74	73	71	68	68	67	67	69	74	69	68	65	70	72	75	71	81	84	73·2	7·4
28	75	79	74	74	73	82	76	75	66	63	65	68	71	72	67	87	71	72	75	79	85	78	81	80	74·6	6·8
29	87	85	88	88	87	88	87	81	77	75	64	65	67	65	61	64	63	65	66	71	68	72	73	73	74·4	6·9
30	81	86	84	84	79	78	72	83	86	76	74	72	65	63	61	64	58	68	68	67	66	71	73	85	73·1	7·3
Mean ...	79·7	79·3	80·2	79·8	80·6	**81·4**	81·3	80·2	77·2	74·5	73·3	73·7	72·6	**71·5**	71·6	72·7	72·0	72·0	73·0	75·9	76·5	77·1	78·1	79·5	76·5	†7·6
Vapour Pressure* ...	mb. 7·1	mb. 7·0	mb. 7·0	mb. 7·0	mb. 7·1	mb. 7·0	mb. 7·2	mb. 7·5	mb. 7·6	mb. 7·7	mb. 7·8	mb. **8·1**	mb. **8·1**	mb. 8·0	mb. **8·1**	mb. **8·1**	mb. 7·8	mb. 7·9	mb. 7·7	mb. 7·6	mb. 7·5	mb. 7·4	mb. 7·3	mb. 7·2	mb. ‡7·5	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages, at exact hours, Greenwich Mean Time, determined as explained on page 13.

305. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

May, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	90	91	94	94	89	73	71	69	71	68	72	92	96	92	92	89	88	91	91	91	89	89	87	88	85·6	9·1
2	92	91	91	88	86	89	92	93	95	89	83	83	79	74	73	71	77	83	82	87	88	89	91	95	85·7	10·3
3	96	97	96	96	96	92	91	90	90	87	90	82	82	81	79	79	77	79	82	84	89	92	88	87	87·7	11·5
4	87	84	87	83	81	83	74	78	75	73	70	72	72	74	70	71	73	72	73	74	77	86	87	86	77·6	9·1
5	86	89	86	79	80	80	80	79	78	76	73	72	70	69	75	75	76	81	86	90	91	89	87	87	80·6	10·0
6	87	87	87	86	86	87	89	91	95	95	95	96	96	95	96	95	97	96	96	96	97	96	97	97	92·9	12·3
7	96	97	96	99	99	99	96	91	92	91	90	88	87	85	85	81	76	79	82	87	86	87	89	88	89·6	12·1
8	91	96	96	96	94	97	99	99	97	95	90	92	89	88	85	84	79	81	85	88	89	90	92	92	90·9	11·9
9	92	95	92	93	95	93	91	73	69	61	66	69	74	77	81	79	86	90	91	92	95	93	96	95	84·9	12·9
10	96	95	95	96	96	93	92	93	91	90	84	84	83	85	85	85	83	85	85	90	90	88	89	92	89·4	11·8
11	92	92	92	90	81	74	76	74	73	73	70	68	66	65	64	64	59	63	64	68	68	71	71	78	73·5	9·9
12	76	77	76	76	77	79	69	67	65	59	59	59	58	60	60	58	62	61	64	69	76	77	77	75	**68·2**	**7·7**
13	74	75	76	81	82	79	73	68	65	62	60	60	63	61	63	61	61	62	64	68	70	67	74	75	68·5	7·8
14	81	87	85	85	87	86	87	83	85	79	80	74	76	77	72	76	74	77	78	83	86	85	86	87	81·3	10·4
15	89	90	90	89	86	81	76	76	72	74	72	71	71	72	72	77	80	82	85	90	91	93	93	95	81·8	11·0
16	95	95	96	96	96	96	97	97	96	96	94	95	94	95	94	94	94	96	93	92	93	92	92	90	94·6	13·3
17	92	90	90	91	91	92	92	89	86	85	79	79	80	87	89	87	81	81	81	83	85	84	84	84	86·0	12·0
18	84	88	82	86	87	82	82	81	79	76	76	71	75	71	75	78	77	82	85	89	90	91	91	90	81·9	11·0
19	93	93	94	94	93	91	92	93	91	86	85	84	81	84	83	85	87	91	93	96	97	97	96	95	90·5	13·8
20	96	96	96	96	95	95	94	93	94	94	96	96	95	95	95	94	97	97	95	95	96	97	97	97	95·4	13·7
21	97	97	97	97	97	97	97	97	97	96	97	96	96	96	96	95	95	96	99	96	95	97	96	96	**96·5**	**14·0**
22	97	99	96	96	95	91	84	79	77	74	75	74	74	72	73	75	72	74	79	78	87	90	90	88	83·0	11·5
23	88	87	88	89	87	87	90	92	92	92	85	76	72	70	70	68	69	70	70	73	85	85	91	87	81·8	11·3
24	85	85	88	87	88	88	89	81	78	81	75	74	78	80	87	89	88	85	82	81	82	85	87	87	83·7	11·1
25	88	93	96	96	97	97	95	93	93	88	88	85	81	84	82	84	84	85	88	88	93	94	95	95	89·9	13·8
26	93	95	91	95	92	91	90	88	85	84	84	81	78	76	76	76	74	81	79	83	85	87	89	88	85·2	12·7
27	91	91	91	95	93	92	89	85	77	73	73	81	77	77	76	76	75	78	77	79	84	86	86	88	82·9	11·5
28	89	89	92	92	92	92	83	80	75	73	75	76	77	75	76	78	65	79	78	80	88	87	87	88	81·9	12·0
29	89	89	92	91	93	89	82	80	74	71	68	62	65	69	69	67	65	67	73	75	84	82	85	85	77·8	12·2
30	85	87	81	85	85	85	83	69	65	62	60	58	58	59	56	55	59	64	64	68	74	76	80	79	70·8	13·3
31	82	79	69	69	73	75	65	67	59	51	48	49	52	49	48	46	44	48	50	53	55	63	65	55	59·4	12·8
Mean ...	89·3	**90·2**	89·6	89·9	89·3	87·9	85·8	83·5	81·7	79·2	77·8	77·4	77·3	77·2	77·3	77·2	**76·6**	79·2	80·5	82·8	85·7	86·6	87·6	87·4	83·2	†11·5
Vapour Pressure* ...	mb. 11·0	mb. 11·0	mb. 11·0	mb. 11·0	mb. **10·8**	mb. 10·9	mb. 11·1	mb. 11·2	mb. 11·8	mb. 11·6	mb. 11·8	mb. 11·8	mb. 12·0	mb. 12·0	mb. 12·0	mb. 12·0	mb. **12·0**	mb. 11·8	mb. 11·6	mb. 11·6	mb. 11·6	mb. 11·4	mb. 11·3	mb. 11·0	mb. ‡11·6	

306. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres. **June, 1922.**

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	51	53	51	53	59	55	45	47	49	49	49	57	72	78	71	68	67	70	73	75	82	85	87	86	**63·2**	13·0
2	88	87	82	84	88	85	83	78	74	70	64	64	67	69	68	64	65	69	71	74	73	73	75	71	74·7	10·5
3	74	65	73	64	67	70	60	68	63	60	60	63	63	59	65	62	57	66	68	71	75	78	83	82	67·1	9·2
4	85	85	83	85	87	88	86	81	78	73	67	68	68	69	70	69	70	75	79	88	89	88	84	88	79·2	11·0
5	84	83	81	83	86	89	90	81	69	67	71	64	65	69	67	61	61	64	69	73	75	78	78	81	74·7	11·0
6	80	86	87	88	86	89	85	77	74	69	64	64	66	67	69	69	65	63	67	71	80	84	89	89	76·0	11·9
7	88	88	90	89	79	74	69	63	67	62	68	74	71	69	70	84	85	84	82	80	83	86	88	91	78·5	13·6
8	91	89	89	91	92	88	82	79	75	71	70	67	66	71	73	75	79	81	81	83	87	88	88	90	81·1	14·9
9	91	92	90	91	92	91	87	79	73	73	75	73	75	75	75	81	81	76	83	89	90	91	93	87	83·5	14·6
10	91	85	80	80	80	78	82	84	86	87	94	97	86	76	70	67	64	66	67	72	74	77	77	79	79·3	11·7
11	86	87	90	90	90	87	80	75	73	74	77	78	77	75	82	82	88	90	89	87	89	88	88	89	83·6	12·3
12	91	93	94	93	93	94	95	94	94	95	95	95	97	95	95	94	95	94	94	95	95	94	88	87	**93·7**	**15·5**
13	79	77	70	75	67	65	61	63	59	61	63	57	60	59	55	58	60	61	66	67	68	70	70	71	65·4	**8·9**
14	73	71	69	71	70	71	69	66	69	67	68	69	70	71	73	80	82	91	92	92	95	95	91	90	76·9	10·8
15	84	89	91	90	87	85	83	88	86	80	79	76	79	78	78	77	76	77	79	81	85	84	84	84	82·6	12·5
16	87	87	87	89	89	87	88	81	80	80	76	78	84	76	75	68	64	65	67	69	70	64	65	65	77·1	10·9
17	65	69	66	71	65	65	68	68	65	69	64	63	67	66	69	66	67	70	73	76	78	79	81	84	69·4	9·7
18	87	88	89	90	92	94	94	94	94	93	92	88	83	81	79	82	84	87	89	92	94	94	93	90	89·2	13·6
19	87	86	91	88	86	89	93	93	91	89	88	93	90	89	89	89	87	89	89	88	91	88	82	78	88·7	13·8
20	80	86	85	85	88	92	90	83	80	78	74	69	66	68	64	62	68	69	71	70	70	72	74	75	75·9	11·6
21	75	75	77	76	77	73	71	76	70	72	78	74	77	89	89	87	78	78	81	82	88	89	87	88	79·2	11·4
22	85	91	84	78	81	87	87	84	84	84	79	81	91	85	86	81	79	84	85	90	88	88	88	87	84·9	12·5
23	87	89	92	84	89	90	90	83	83	89	80	83	83	82	82	78	79	82	84	81	79	79	77	75	83·6	11·9
24	76	81	80	88	89	84	81	79	75	77	79	72	69	68	67	71	69	69	71	75	74	74	78	77	75·9	10·7
25	78	73	74	76	80	77	75	71	73	86	84	80	81	84	88	89	92	92	91	93	93	91	92	94	83·3	10·9
26	94	96	95	95	93	92	93	92	87	85	83	76	74	70	73	73	77	80	83	86	87	86	85	85	85·2	12·7
27	87	89	89	90	91	91	93	93	94	94	93	93	92	93	88	91	93	92	91	91	91	91	90	92	91·2	14·0
28	89	90	91	89	83	79	84	87	77	65	68	66	69	73	67	61	63	68	78	83	79	79	78	75	77·1	10·5
29	79	79	82	79	87	78	78	79	71	68	70	68	74	72	71	70	78	82	92	90	92	89	89	85	79·0	10·8
30	82	78	81	86	87	83	83	87	91	91	81	80	78	75	73	73	76	79	82	85	93	94	95	96	83·5	12·1
Mean ...	82·5	82·9	82·8	83·0	83·3	82·3	80·8	79·1	76·8	75·9	75·1	**74·3**	75·3	75·0	74·7	74·4	75·0	77·1	79·9	81·6	83·0	**83·9**	**83·9**	83·7	79·4	†11·9
Vapour Pressure* ...	mb. 11·4	mb. 11·4	mb. 11·4	mb. 11·2	mb. **11·1**	mb. 11·3	mb. 11·7	mb. 11·7	mb. 12·0	mb. 11·9	mb. 12·1	mb. 12·1	mb. **12·5**	mb. **12·5**	mb. **12·5**	mb. 12·2	mb. 12·3	mb. 12·2	mb. 12·2	mb. 12·2	mb. 12·2	mb. 12·0	mb. 11·9	mb. 11·6	mb. ‡11·9	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages, at exact hours, Greenwich Mean Time, determined as explained on page 13.

307. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres. **July, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	96	95	91	92	90	91	91	91	89	84	87	87	79	76	74	83	76	78	76	79	84	81	85	89	85·3	12·7
2	89	87	88	89	87	84	89	82	91	82	83	77	76	76	76	73	73	74	76	78	83	84	86	87	82·1	11·9
3	87	89	88	83	84	80	79	79	74	72	74	73	73	72	72	71	73	76	77	88	90	94	85	85	80·0	12·1
4	82	82	81	81	83	80	85	82	80	87	80	82	85	83	79	73	68	75	76	77	82	83	85	88	80·7	11·6
5	89	92	89	92	92	91	92	86	74	69	69	67	63	62	63	71	76	74	80	75	89	78	74	72	78·6	10·7
6	75	78	77	79	73	74	72	79	70	72	69	69	68	70	71	71	72	87	85	78	77	87	89	89	75·9	**10·3**
7	88	89	88	85	83	82	80	84	80	76	72	78	73	71	68	67	67	73	81	77	86	88	89	91	79·8	10·7
8	92	93	93	95	93	92	91	87	88	82	83	83	86	81	79	85	81	71	74	72	72	75	74	73	83·5	10·5
9	82	81	79	81	78	76	73	88	82	72	74	77	73	70	70	71	69	75	79	80	82	83	82	85	77·3	10·8
10	91	92	92	92	92	87	79	69	72	68	66	63	65	73	69	73	72	74	76	79	82	84	88	90	78·6	11·6
11	90	88	88	89	92	90	85	82	80	78	79	77	79	80	81	85	93	93	92	93	93	93	95	96	87·0	13·2
12	96	96	96	97	97	95	95	94	92	88	78	76	70	71	69	68	69	76	77	78	83	88	89	87	84·6	12·4
13	89	90	90	90	90	91	88	93	90	92	95	95	93	94	94	89	81	78	78	76	81	82	81	68	87·4	12·3
14	75	80	77	79	77	76	74	80	75	70	65	77	74	68	79	70	72	71	74	75	82	77	77	76	**74·8**	10·7
15	79	85	81	82	81	80	78	76	77	83	83	83	78	77	75	71	70	74	78	81	78	76	75	75	78·2	10·8
16	76	85	82	79	79	77	80	76	77	74	74	75	74	73	75	76	76	78	78	79	81	80	81	83	77·7	11·2
17	82	84	87	86	89	88	89	80	76	74	75	73	73	74	70	67	68	70	72	78	81	80	82	82	78·4	11·4
18	83	83	83	82	83	85	83	78	77	72	73	71	73	73	73	73	71	75	77	79	83	87	87	87	78·7	11·7
19	90	90	91	92	91	87	85	81	73	69	73	73	78	89	93	91	94	96	94	96	96	96	95	95	87·7	13·6
20	93	95	93	96	96	95	96	96	94	94	94	94	98	94	95	96	96	96	96	96	93	90	90	91	**94·5**	**15·2**
21	92	89	85	91	89	89	91	88	79	77	74	75	72	76	72	74	73	77	77	80	81	80	78	84	81·1	12·3
22	87	87	87	91	89	89	87	83	80	78	76	80	80	80	75	76	78	80	88	85	82	80	83	82	82·7	12·1
23	85	85	88	89	90	93	94	93	93	89	91	87	87	85	93	92	93	95	94	93	94	94	94	95	90·8	14·1
24	95	95	90	88	89	90	93	90	87	88	78	74	73	77	77	77	76	82	81	80	85	87	88	89	84·7	14·3
25	86	90	90	90	91	92	93	91	88	82	79	79	78	73	77	80	79	82	83	84	86	87	92	94	85·1	13·7
26	94	94	94	94	93	94	93	93	95	95	94	93	86	79	75	79	77	78	80	75	80	87	86	85	87·4	14·4
27	87	81	82	84	83	78	87	82	74	73	74	77	73	72	69	73	72	73	76	82	85	89	87	88	79·1	12·2
28	89	90	93	90	91	91	83	72	73	68	65	65	67	70	70	69	71	75	81	87	91	93	94	94	80·4	11·9
29	95	94	95	93	93	95	94	95	97	94	91	90	92	93	91	89	85	78	79	77	78	79	78	78	88·8	14·6
30	79	76	73	75	78	81	76	71	71	70	71	71	75	88	87	81	78	81	80	85	87	84	83	82	78·4	11·8
31	79	81	79	79	77	79	78	73	77	74	75	74	73	73	73	73	77	77	81	79	82	87	83	82	77·7	11·9
Mean ...	86·8	**87·6**	86·8	87·3	86·9	86·2	85·6	83·7	81·5	78·9	77·9	77·9	77·0	77·2	76·9	77·0	**76·7**	78·8	80·5	81·3	84·2	84·9	85·0	85·2	82·2	†12·2
Vapour Pressure* ...	mb. 11·9	mb. 11·8	mb. **11·5**	mb. **11·5**	mb. 11·6	mb. 11·8	mb. 12·2	mb. 12·3	mb. 12·4	mb. 12·4	mb. 12·5	mb. 12·6	mb. 12·6	mb. **12·8**	mb. **12·8**	mb. **12·8**	mb. 12·5	mb. 12·3	mb. 12·2	mb. 11·9	mb. 11·9	mb. 11·9	mb. 11·7	mb. 11·7	mb. ‡12·2	

308. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres. **August, 1922.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	84	89	85	84	85	85	85	82	85	79	74	75	74	73	75	74	75	77	79	80	78	83	83	85	80·3	12·1
2	80	85	87	91	90	90	90	87	84	88	76	74	80	78	84	85	89	89	91	90	91	94	91	87	86·3	13·0
3	90	90	91	94	94	94	91	93	93	93	94	95	96	95	95	96	95	94	95	95	94	92	92	91	93·3	14·7
4	91	92	94	94	94	95	95	90	89	83	82	82	77	81	80	79	77	78	87	89	93	92	94	94	87·5	**16·0**
5	93	94	94	94	94	92	92	85	81	78	77	77	77	77	82	80	88	90	91	88	88	89	93	94	87·0	15·5
6	94	94	93	94	94	93	88	86	85	85	89	89	82	85	88	85	85	84	83	86	89	90	90	90	88·4	14·5
7	90	91	90	91	90	90	90	83	63	64	63	62	63	60	82	85	85	87	89	86	89	88	87	86	81·5	12·6
8	87	89	87	87	88	87	87	86	83	85	81	78	81	81	77	72	73	80	77	80	83	80	82	79	82·2	12·1
9	79	79	83	80	82	83	91	88	81	78	74	73	73	73	73	74	69	77	78	83	82	85	83	85	79·3	12·3
10	76	77	73	69	69	72	74	69	70	66	66	63	60	58	60	60	57	59	62	73	82	82	86	85	69·5	**10·7**
11	91	92	91	92	92	91	91	89	89	83	81	75	73	74	76	76	79	85	89	92	93	93	94	94	86·3	11·8
12	95	96	96	99	96	96	96	99	96	91	83	79	75	78	77	75	77	84	88	83	89	88	86	87	88·0	14·1
13	88	89	88	82	86	85	77	75	74	71	72	71	73	69	71	74	71	75	78	81	84	85	85	88	78·8	11·9
14	88	87	87	89	89	90	86	83	75	79	76	73	73	69	73	73	72	73	76	83	81	83	87	88	80·3	12·1
15	88	88	88	88	87	85	87	86	80	77	79	79	79	78	78	81	83	82	81	89	91	92	93	93	84·6	13·7
16	94	94	95	95	94	94	92	89	90	90	90	87	87	87	84	87	90	95	95	97	93	86	81	81	90·5	14·8
17	80	81	83	82	82	83	85	87	82	83	82	80	87	87	79	80	79	84	83	82	81	85	83	85	82·6	12·7
18	83	89	89	91	92	92	89	89	91	93	93	94	92	92	92	94	93	96	97	97	97	99	99	99	92·7	14·8
19	99	100	100	99	99	99	99	99	97	96	95	91	88	83	79	80	82	82	82	88	94	94	94	94	92·3	15·1
20	95	95	95	95	94	92	92	91	87	88	83	81	79	80	79	83	83	83	86	90	93	93	94	93	88·5	14·7
21	94	94	93	94	94	94	92	93	91	90	84	82	80	81	82	83	85	85	87	89	91	92	94	94	89·1	14·6
22	94	94	94	94	96	96	96	95	92	93	93	91	89	92	92	92	94	92	95	92	92	93	92	92	93·2	14·3
23	88	86	82	81	82	81	78	71	70	66	72	68	67	67	67	72	73	75	81	85	86	87	90	91	**77·8**	11·7
24	93	93	95	96	97	96	97	97	97	97	96	94	85	77	79	78	82	80	87	88	88	89	83	87	89·7	13·9
25	85	88	89	87	90	88	90	88	92	89	84	80	79	76	73	74	69	78	80	85	89	88	91	91	84·2	12·3
26	91	92	95	91	89	92	91	95	97	96	96	97	96	97	97	94	93	92	94	94	94	91	90	91	**93·7**	14·0
27	89	89	90	91	90	89	90	87	88	80	78	83	83	80	79	80	80	84	82	89	90	92	91	92	86·1	13·0
28	91	92	88	92	91	93	93	93	92	82	78	76	74	78	78	79	76	80	82	86	88	89	91	91	85·6	12·2
29	92	95	94	95	96	96	95	96	83	78	78	79	77	78	87	91	93	93	96	95	92	90	88	81	89·3	12·1
30	83	76	83	83	84	83	84	81	73	70	70	73	72	73	81	79	71	72	74	77	82	82	83	86	78·0	10·9
31	83	91	85	81	78	81	82	77	84	78	82	88	86	79	79	82	82	86	90	90	89	88	85	87	83·9	11·9
Mean ...	88·2	**89·7**	89·6	89·5	89·6	89·6	89·0	87·4	85·0	82·9	81·3	80·3	79·3	**78·6**	79·0	80·5	80·7	82·0	85·0	87·2	88·6	88·9	88·0	88·1	85·3	†13·2
Vapour Pressure* ...	mb. **12·6**	mb. 12·7	mb. 12·8	mb. 12·6	mb. 12·8	mb. 12·0	mb. 13·0	mb. 13·3	mb. 13·5	mb. 13·4	mb. 13·5	mb. 13·5	mb. 13·5	mb. 13·0	mb. **13·7**	mb. **13·7**	mb. 13·4	mb. 13·4	mb. 13·4	mb. 13·3	mb. 13·2	mb. 13·0	mb. 12·8	mb. 12·7	mb. ‡13·2	
Hour G.M.T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

* Computed from the mean temperature and mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages, at exact hours, Greenwich Mean Time, determined as explained on page 13.

309. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

September, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	89	87	85	90	87	78	82	73	74	73	76	77	76	75	83	75	80	83	79	83	80	82	80	81	80·5	11·3
2	81	83	82	80	83	83	81	81	75	76	74	72	70	71	75	75	75	81	86	90	90	89	92	91	80·5	11·9
3	92	95	97	95	96	97	96	96	95	94	92	91	85	84	84	84	87	92	89	90	93	93	93	93	91·7	14·4
4	92	92	93	92	93	95	96	97	94	89	84	83	81	81	82	82	84	87	89	89	87	89	86	84	88·6	14·7
5	85	86	87	85	89	92	91	93	96	92	90	91	92	93	95	93	92	89	88	88	89	85	88	88	89·8	14·8
6	85	85	84	85	87	87	88	82	76	68	68	65	65	63	65	67	73	72	78	83	83	82	89	88	77·8	11·4
7	87	85	88	88	89	87	92	91	90	87	73	78	72	65	67	70	69	72	74	76	81	79	81	83	80·3	11·3
8	86	85	89	89	87	87	85	78	71	67	66	69	69	68	71	72	79	80	82	84	84	86	87	89	79·5	11·9
9	89	86	85	85	84	81	84	85	85	84	84	80	80	83	86	79	74	78	78	80	85	83	88	89	83·1	13·4
10	91	91	91	90	85	86	85	86	81	77	64	66	72	69	74	75	77	77	76	83	85	87	89	90	81·1	11·9
11	91	92	93	92	93	93	95	95	86	85	88	87	85	80	79	80	90	87	87	86	85	85	86	90	87·9	12·9
12	93	90	92	91	91	91	95	97	96	95	87	78	77	83	78	82	82	88	83	80	81	85	83	87	86·9	12·3
13	89	85	90	91	90	90	90	91	90	90	88	82	82	83	84	85	88	86	85	87	85	89	89	90	87·4	11·5
14	91	92	92	89	89	87	87	85	85	81	83	82	79	82	83	85	87	84	83	90	90	85	82	79	85·7	12·3
15	77	69	68	70	70	69	69	70	70	71	71	69	68	70	72	74	75	77	82	84	82	88	93	95	**74·8**	**10·1**
16	96	97	97	96	95	95	95	96	96	96	95	96	95	96	95	94	95	95	94	95	96	93	95	93	95·3	14·5
17	93	89	80	80	84	86	84	84	78	76	76	71	73	71	74	71	72	77	76	78	81	79	81	84	79·3	11·0
18	85	82	87	82	91	82	82	88	84	85	83	83	83	85	86	88	91	93	91	91	89	88	91	91	86·6	12·4
19	91	93	93	93	94	96	96	96	96	95	96	96	96	97	96	96	96	96	97	97	99	97	96	97	95·5	**15·9**
20	96	97	97	97	99	99	97	96	96	95	94	93	95	96	97	98	95	93	95	94	96	95	94	92	95·8	15·5
21	92	89	86	84	87	89	92	90	87	89	85	85	87	89	86	87	90	93	93	94	96	95	94	94	89·7	15·4
22	95	95	96	96	96	96	96	97	96	94	92	90	85	89	87	90	91	92	93	92	95	95	96	95	93·3	15·3
23	95	94	93	91	91	91	91	94	91	88	82	77	76	83	82	83	83	76	82	88	89	91	90	93	87·3	13·3
24	91	92	92	93	93	93	95	93	93	88	83	80	80	78	80	89	85	85	83	85	83	77	80	81	86·6	12·6
25	80	83	85	85	90	91	93	92	93	94	86	85	82	77	80	78	78	79	79	79	88	87	85	82	84·6	13·2
26	89	82	88	88	83	87	89	87	87	85	89	92	87	85	88	89	93	92	91	91	94	94	93	91	88·7	13·3
27	90	87	87	85	85	85	85	86	85	83	81	77	78	79	79	79	80	80	83	87	88	90	91	91	84·2	13·2
28	93	93	91	93	93	91	91	90	92	85	80	82	84	85	72	69	70	70	66	73	72	71	74	74	81·8	11·4
29	76	78	81	86	89	89	87	86	87	82	79	81	82	75	87	82	85	86	90	95	95	95	96	96	85·6	10·4
30	97	96	97	99	97	97	97	96	97	97	96	97	96	99	99	99	97	97	96	93	93	95	93	93	**96·4**	14·6
Mean ...	89·2	88·3	88·9	88·7	89·3	89·0	**89·5**	89·0	87·4	85·4	82·8	81·8	**81·1**	**81·1**	82·2	82·3	83·8	84·6	84·9	86·8	87·8	87·6	88·5	88·8	86·2	†12·9
Vapour Pressure* ...	mb. 12·6	mb. 12·4	mb. 12·4	mb. 12·4	mb. **12·3**	mb. **12·3**	mb. 12·4	mb. 12·9	mb. 13·0	mb. 13·1	mb. 13·3	mb. 13·3	mb. **13·4**	mb. 13·3	mb. 13·5	mb. 13·3	mb. 13·3	mb. 13·1	mb. 12·8	mb. 12·8	mb. 12·8	mb. 12·8	mb. 12·7	mb. 12·8	mb. 12·6	mb. ‡12·9	

310. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres.

October, 1922.

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	92	96	93	95	95	96	95	96	96	97	96	93	89	86	86	87	88	90	92	93	92	93	93	95	92·6	11·8
2	93	95	93	94	95	96	95	95	96	92	90	88	85	86	88	88	89	91	82	87	80	83	85	88	89·9	11·6
3	89	91	93	91	92	92	94	94	92	94	93	93	94	91	91	91	92	93	96	96	96	96	96	96	93·0	14·8
4	96	96	96	96	96	97	97	97	97	95	96	95	96	94	93	91	92	93	92	90	90	90	91	88	**94·1**	**15·1**
5	87	91	87	85	85	86	89	86	85	83	79	83	80	79	77	81	82	82	83	82	80	81	81	80	83·3	12·3
6	82	79	79	78	80	78	81	81	78	73	74	74	74	74	74	79	77	85	84	84	79	83	83	88	79·0	11·5
7	89	87	85	89	87	90	90	91	91	90	85	85	83	82	83	85	88	89	91	91	92	92	93	95	88·3	12·2
8	93	93	97	96	96	93	93	96	93	91	84	78	80	77	76	82	85	86	87	87	91	91	87	91	88·5	10·3
9	90	91	93	91	86	90	88	91	92	89	80	83	80	77	77	78	83	87	87	89	89	92	93	92	87·0	9·7
10	92	93	93	93	92	87	87	87	82	81	77	75	75	76	78	82	83	83	79	80	80	81	80	80	83·4	9·9
11	82	81	81	85	84	87	87	87	87	89	91	91	89	91	91	91	92	92	95	95	95	96	97	99	89·4	12·2
12	97	97	97	96	96	96	96	95	94	94	93	89	86	83	81	81	80	83	82	82	80	78	79	79	88·5	13·8
13	82	87	87	84	76	71	72	75	84	83	87	87	85	87	84	83	88	84	84	84	83	83	90	90	83·1	14·7
14	91	85	80	76	72	73	72	70	69	67	61	61	61	57	57	57	58	63	68	72	72	73	73	78	69·7	13·0
15	78	78	80	81	82	83	83	77	75	73	69	69	67	67	68	71	74	68	72	73	70	74	74	75	74·3	12·3
16	75	77	76	77	76	75	76	69	66	62	64	63	63	63	64	65	67	69	70	68	68	67	67	70	69·1	11·1
17	70	71	70	73	72	74	74	72	73	71	71	69	69	68	69	67	69	68	69	69	69	69	68	66	70·1	10·3
18	65	67	69	69	66	67	65	63	61	57	56	57	57	57	63	59	58	63	59	60	60	59	60	63	**61·7**	8·4
19	62	62	63	63	63	62	65	66	72	66	68	64	63	63	64	66	68	72	75	75	78	79	80	77	67·0	8·0
20	79	77	82	81	81	82	81	79	76	74	70	70	68	65	66	68	68	75	76	73	73	77	73	74	74·8	7·8
21	72	73	75	81	82	83	87	86	81	79	78	72	69	64	64	62	64	67	64	70	72	75	75	76	73·7	8·0
22	75	69	72	72	77	73	73	76	72	69	65	64	63	61	65	68	67	67	69	72	75	77	74	72	70·4	7·5
23	73	71	71	76	77	79	75	72	71	67	63	60	69	69	70	71	73	72	73	73	75	65	67	66	70·9	7·7
24	69	71	68	68	68	69	71	68	68	66	65	65	63	62	62	65	66	70	66	65	66	66	68	65	66·7	7·6
25	64	62	57	60	59	60	62	64	66	65	66	65	65	64	69	71	73	73	72	71	73	83	79	77	67·3	8·1
26	73	76	74	71	78	71	66	65	62	68	71	73	77	77	77	78	77	79	76	76	72	71	71	73	73·1	8·4
27	73	79	76	72	71	69	63	67	70	61	69	68	66	67	68	69	76	75	77	79	78	76	77	77	71·7	7·1
28	77	77	81	78	77	77	75	75	74	70	70	71	69	67	67	66	68	68	71	75	75	78	78	77	73·4	**6·2**
29	77	77	77	79	81	81	83	83	81	77	71	67	68	64	68	69	75	70	69	71	75	73	71	72	74·2	6·3
30	71	71	70	71	70	69	69	71	74	69	65	66	68	68	65	64	64	71	71	69	79	83	83	84	70·8	6·6
31	87	88	88	89	89	89	89	89	92	90	85	81	85	91	87	85	84	86	91	93	92	92	93	91	88·4	8·2
Mean ...	80·5	80·9	80·7	**81·0**	80·7	80·5	80·4	80·1	79·7	77·5	75·9	74·8	74·4	**73·5**	73·9	74·8	76·4	77·9	78·1	78·8	79·0	79·9	80·0	80·5	78·3	†10·1
Vapour Pressure* ...	mb. 9·7	mb. 9·7	mb. 9·5	mb. 9·5	mb. 9·5	mb. 9·5	mb. **9·4**	mb. **9·4**	mb. 9·8	mb. 9·8	mb. 10·0	mb. 10·2	mb. 10·2	mb. **10·2**	mb. 10·2	mb. 10·2	mb. 10·1	mb. 10·2	mb. 10·0	mb. 9·9	mb. 9·8	mb. 9·9	mb. 9·7	mb. 9·7	mb. ‡9·8	

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages, at exact hours, Greenwich Mean Time, determined as explained on page 13.

311. Cahirciveen (Valencia Observatory) : North Wall Screen : h*t* (height of thermometer bulbs above ground) = 1·3 metres.

November, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	97	99	99	99	89	89	81	81	71	69	63	63	69	66	72	74	72	76	66	67	64	60	65	71	76·3	8·3
2	71	73	74	80	79	79	81	81	82	83	76	71	68	69	74	82	83	79	76	72	74	76	83	88	76·9	7·3
3	89	88	89	88	87	88	85	87	85	83	75	73	75	77	71	81	86	82	85	76	75	70	73	78	81·3	7·5
4	77	67	67	67	72	64	76	72	79	75	71	70	69	67	66	73	77	77	85	87	88	87	89	78	**75·0**	**7·1**
5	78	77	75	77	85	90	90	92	92	93	93	93	95	100	95	97	96	93	93	91	92	91	89	91	89·6	10·6
6	91	92	92	92	91	87	86	86	86	87	79	70	71	75	81	84	77	82	75	77	75	82	86	86	83·0	10·0
7	87	87	80	79	79	86	80	81	75	69	70	72	73	76	83	84	83	85	85	85	85	89	92	92	81·4	9·5
8	93	92	92	92	91	91	91	95	95	92	86	88	86	82	86	88	83	78	73	73	73	79	84	86	86·3	9·8
9	89	89	89	94	93	91	87	84	79	80	81	77	77	80	88	92	93	95	97	95	95	96	96	96	88·7	10·1
10	97	97	99	95	93	96	96	95	92	92	93	91	90	89	89	88	86	88	85	79	80	76	68	70	89·0	11·8
11	67	70	72	71	69	75	78	83	83	86	84	78	75	74	75	78	83	83	85	87	88	91	91	92	79·5	9·0
12	89	91	89	91	89	91	89	92	89	89	89	88	88	89	89	89	85	85	87	89	91	92	92	92	89·3	11·5
13	93	95	96	97	97	97	99	96	96	97	97	96	96	97	97	96	96	97	97	97	97	97	97	97	**96·4**	**13·1**
14	97	96	96	97	97	96	96	93	96	95	96	93	92	91	91	93	96	92	95	94	94	94	95	93	94·0	11·6
15	95	95	95	94	95	94	93	95	95	95	95	93	96	92	90	90	86	86	86	85	85	86	86	83	91·3	9·8
16	85	86	85	85	87	84	85	83	82	79	77	76	77	76	76	77	76	85	83	85	87	85	86	87	82·2	9·3
17	87	86	83	84	80	81	81	83	83	88	85	83	83	83	79	75	71	72	73	72	72	73	77	87	80·0	9·5
18	84	82	82	79	80	85	87	79	82	85	90	84	81	87	86	81	80	81	81	85	80	81	80	81	82·8	10·0
19	80	85	82	86	86	89	91	76	78	81	83	85	89	88	86	83	83	84	78	82	86	87	85	87	84·0	9·8
20	87	86	89	87	91	91	92	89	86	84	79	83	82	87	92	93	95	95	95	92	89	87	85	85	88·4	9·9
21	83	79	85	87	92	89	89	87	86	81	79	77	78	78	82	81	83	77	87	92	87	85	84	86	83·9	9·2
22	84	86	81	76	83	79	75	73	71	78	68	73	77	78	81	82	83	82	80	81	83	85	86	86	79·6	9·5
23	86	85	86	87	89	91	89	89	87	86	86	86	87	89	89	88	92	92	91	92	92	92	92	92	88·8	10·6
24	92	92	92	93	93	93	93	92	93	92	92	95	91	92	93	93	92	95	95	93	93	95	96	95	93·1	10·6
25	88	89	89	93	93	94	91	91	93	93	95	91	81	78	81	87	89	90	91	89	92	91	93	91	89·8	8·9
26	93	95	92	93	93	94	94	91	87	78	70	72	72	73	72	78	81	83	83	80	75	77	78	81	82·9	8·9
27	77	83	81	81	80	82	80	81	85	85	83	76	75	80	82	85	84	85	82	85	89	91	89	90	82·8	9·6
28	91	90	91	89	91	94	95	90	91	88	83	85	81	86	84	83	81	73	73	65	69	65	65	69	82·6	9·0
29	80	73	71	69	68	73	76	78	79	84	84	87	85	82	76	75	78	84	79	81	83	78	76	74	77·9	9·1
30	79	83	79	85	85	85	87	92	92	91	93	96	96	92	85	86	83	80	77	65	78	68	72	70	83·4	9·7
Mean ...	86·2	86·3	85·7	86·2	86·6	**87·3**	87·1	86·2	85·7	85·3	83·2	82·2	**81·8**	82·4	83·0	84·5	84·4	84·5	83·9	83·0	83·9	83·5	84·4	85·1	84·7	†9·7
Vapour Pressure* ...	mb. 9·4	mb. 9·4	mb. 9·5	mb. 9·5	mb. 9·5	mb. 9·5	mb. 9·5	mb. 9·4	mb. 9·6	mb. 9·8	mb. 9·9	mb. 10·0	mb. 10·1	mb. 10·1	mb. 10·1	mb. **10·2**	mb. 9 8	mb. 9·8	mb. 9·6	mb. 9·4	mb. 9·4	mb. **9·2**	mb. **9·2**	mb. 9·3	mb. ‡9·6	

312. Cahirciveen (Valencia Observatory) : North Wall Screen : h*t* = 1·3 metres.

December, 1922.

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	72	77	69	80	67	78	70	73	66	67	70	70	73	72	72	71	72	77	71	72	71	80	82	81	**72·8**	9·0
2	85	87	89	88	88	86	82	82	81	80	80	80	79	76	81	80	76	74	76	82	81	83	81	84	81·6	9·7
3	86	85	86	85	89	86	89	87	86	84	85	87	88	91	91	91	92	92	92	92	92	92	93	93	88·7	9·7
4	93	95	93	91	92	91	92	95	95	93	96	95	93	91	88	93	95	95	93	96	95	93	93	93	93·3	10·7
5	95	95	96	96	95	95	96	96	95	96	95	95	93	92	95	95	88	85	79	77	72	75	76	78	89·9	11·0
6	78	75	82	81	86	88	82	77	71	74	74	73	73	73	73	75	77	76	79	81	87	85	89	90	78·9	8·2
7	91	91	91	89	88	91	91	94	94	97	96	97	96	97	95	95	97	99	97	96	96	96	96	95	**94·3**	9·9
8	91	90	88	91	91	91	87	92	93	95	95	96	96	92	92	89	91	91	93	93	92	91	92	92	91·9	11·1
9	93	93	93	93	93	93	93	93	95	93	93	92	89	81	79	78	82	83	80	83	80	80	82	80	87·5	8·7
10	81	84	87	89	89	80	76	76	76	77	75	75	72	74	74	75	74	74	71	77	76	74	82	83	77·9	8·7
11	73	70	71	75	77	79	83	83	79	80	85	89	93	92	92	93	93	92	93	95	93	93	93	90	85·5	10·3
12	91	92	92	92	92	93	92	93	93	91	91	90	90	91	92	90	91	89	88	92	92	91	91	92	91·3	12·3
13	93	94	93	92	93	93	94	92	93	92	95	93	96	95	96	92	93	92	92	93	95	92	90	89	93·1	**12·8**
14	92	92	95	93	85	87	88	86	89	86	92	91	92	89	91	91	90	93	91	91	91	89	90	89	90·1	9·4
15	91	89	85	87	85	86	83	81	73	77	82	82	74	81	77	79	76	73	77	83	77	89	86	90	81·8	7·7
16	89	91	89	93	89	89	89	83	85	85	91	86	87	87	80	83	82	79	77	77	72	73	77	66	83·8	8·0
17	78	70	68	79	79	85	81	76	81	85	85	83	81	80	85	87	91	93	86	87	85	83	80	81	81·7	8·2
18	81	79	77	75	72	78	70	74	71	73	68	68	64	66	69	70	79	79	81	81	78	80	86	77	74·9	7·7
18	77	71	73	70	70	71	80	81	79	82	84	87	82	85	81	83	79	77	80	76	77	79	81	77	78·4	7·5
20	81	81	73	77	67	67	73	74	83	82	77	78	81	81	86	85	76	74	75	78	78	71	75	75	77·0	7·0
21	77	81	80	72	83	87	90	91	96	91	84	78	74	74	77	86	89	81	72	77	79	70	73	73	80·7	8·0
22	77	72	75	83	85	84	82	84	90	87	86	81	79	79	82	84	81	72	72	74	76	73	73	70	79·3	8·5
23	67	64	63	69	68	72	66	64	62	62	65	69	64	71	72	74	81	68	73	71	71	70	68	64	68·4	**6·6**
24	69	59	56	63	71	72	79	74	80	79	79	83	79	85	85	79	80	80	83	83	85	86	91	92	77·4	8·0
25	91	93	93	91	91	78	84	78	75	75	78	71	76	74	73	73	70	71	75	73	71	70	75	77	78·5	8·5
26	75	73	76	75	70	72	73	79	76	79	78	75	75	73	81	83	80	72	70	86	84	84	90	86	78·6	8·0
27	87	82	90	89	84	76	69	69	74	78	72	69	69	79	68	76	71	72	75	70	76	77	73	79	76·1	6·9
28	87	82	82	76	76	81	81	75	82	83	90	93	94	90	90	90	89	85	84	85	87	86	87	85	84·9	8·3
29	85	85	87	89	91	89	91	89	91	91	91	86	86	87	84	89	91	91	88	88	88	85	92	87	88·3	8·6
30	87	82	79	85	83	83	79	86	87	79	81	81	81	79	66	77	75	74	70	73	79	72	79	75	79·1	7·7
31	75	68	68	64	62	73	77	76	77	75	70	71	75	72	75	78	79	80	83	85	82	86	83	85	75·6	7·7
Mean ...	83·3	82·0	81·9	**83·9**	82·5	83·0	82·7	82·3	82·8	82·8	83·3	82·7	82·1	82·2	82·0	83·3	83·2	82·0	**81·5**	82·8	82·5	82·2	83·8	82·8	82·6	†8·9
Vapour Pressure* ...	mb. 8·6	mb. 8·5	mb. 8·5	mb. 8·6	mb. 8·5	mb. **8·4**	mb. 8·6	mb. 8·5	mb. 8·6	mb. 8·7	mb. 8·9	mb. **9·1**	mb. 9·0	mb. 9·0	mb. **9·1**	mb. **9·1**	mb. 9·0	mb. 8·8	mb. 8·7	mb. 8·8	mb. 8·8	mb. 8·6	mb. 8·7	mb. 8·6	mb. ‡8·7	

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidities. † Mean of the column. ‡ Mean of the row.

HUMIDITY: ANNUAL MEANS OF HOURLY VALUES.

From the monthly means for exact hours, Greenwich Mean Time.

313. Cahirciveen (Valencia Observatory) : North Wall Screen : $h_t = 1{\cdot}3$ metres. **1922.**

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Relative Humidity ...	% 84·4	% 84·3	% 84·1	% 84·3	% **84·4**	% 84·3	% 83·8	% 82·9	% 81·6	% 79·9	% 78·7	% 78·0	% 77·6	% **77·3**	% 77·7	% 78·3	% 78·6	% 79·7	% 80·6	% 81·8	% 82·7	% 83·1	% 83·6	% 84·0	% 81·5
Vapour Pressure in millibars	9·8	9·7	9·7	9·7	**9·6**	9·7	9·8	9·9	10·1	10·1	10·3	10·4	**10·5**	10·4	**10·5**	10·4	10·4	10·2	10·2	10·1	10·0	9·9	9·9	9·8	10·0

RELATIVE HUMIDITY: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

314. Cahirciveen (Valencia Observatory) : North Wall Screen : $h_t = 1{\cdot}3$ metres. **1922.**

Month.	Mean.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Jan.	81·6	+1·9	+1·9	+0·7	+1·2	**+2·1**	+0·8	+0·2	−0·1	−0·2	−0·7	−1·7	**−2·4**	−1·9	**−2·4**	−1·4	−0·1	0·0	−0·1	+0·2	+0·2	+0·3	+0·6	−0·5	+1·4
Feb.	82·4	+1·7	+1·1	+0·7	+0·3	+0·9	+1·1	+1·2	+1·6	+1·3	−1·1	−1·5	**−3·1**	−2·6	**−3·1**	−2·7	−2·2	−2·1	−1·0	+1·1	**+2·3**	+1·5	+1·2	+1·4	+2·0
Mar.	75·2	+3·1	+2·7	+2·5	+2·3	+2·1	+2·9	**+3·3**	+1·9	+1·4	−1·3	−2·7	−2·9	−4·3	**−5·1**	−4·8	−4·3	−3·7	−1·3	−0·5	−0·1	+0·2	+1·2	+3·1	**+3·3**
April	76·5	+3·4	+3·0	+3·8	+3·4	+4·2	**+5·0**	+4·9	+3·8	+0·8	−1·9	−3·1	−2·8	−3·9	**−5·0**	−4·9	−3·8	−4·5	−3·6	−2·7	−0·7	−0·1	+0·5	+1·5	+2·9
May	83·2	+5·7	**+6·6**	+6·0	+6·3	+5·8	+4·4	+2·4	+0·1	−1·7	−4·1	−5·5	−5·8	−5·9	−5·9	−5·8	−5·9	**−6·4**	−3·7	−2·5	−0·1	+2·8	+3·8	+4·8	+4·7
June	79·4	+3·7	+4·1	+3·9	+4·1	**+4·3**	+3·3	+1·7	−0·1	−2·5	−3·4	−4·3	−5·1	−4·1	−4·5	−4·9	**−5·3**	−4·7	−2·7	−0·3	+1·7	+3·6	+3·9	+3·9	+3·6
July	82·2	+4·5	**+5·3**	+4·4	+4·9	+4·6	+3·9	+3·3	+1·5	−0·8	−3·3	−4·3	−4·3	−5·1	−4·9	−5·2	−5·1	**−5·4**	−3·3	−1·5	−0·7	+2·2	+3·0	+3·1	+3·3
Aug.	85·5	+3·3	**+4·3**	+4·1	+4·1	+4·2	+4·1	+3·5	+1·9	−0·5	−2·6	−4·2	−5·2	−6·3	**−6·9**	−5·6	−5·0	−4·9	−2·6	−0·5	+1·6	+3·0	+3·4	+3·3	+3·5
Sept.	86·2	+3·1	+2·2	+2·7	+2·5	+3·2	+2·9	**+3·4**	+2·9	+1·2	−0·8	−3·4	−4·4	**−5·1**	**−5·1**	−4·0	−3·9	−2·5	−1·7	−1·3	+0·6	+1·5	+1·3	+2·2	+2·5
Oct.	78·3	+2·1	+2·5	+2·4	**+2·6**	+2·3	+2·1	+2·1	+1·7	+1·3	−0·9	−2·5	−3·5	−3·9	**−4·9**	−4·4	−3·5	−1·9	−0·5	−0·2	+0·5	+0·7	+1·6	+1·7	+2·1
Nov.	84·7	+1·2	+1·3	+0·8	+1·3	+1·7	**+2·4**	+2·3	+1·4	+0·9	+0·5	−1·6	−2·5	**−2·8**	−2·2	−1·6	−0·1	−0·1	0·0	−0·6	−1·5	−0·6	−0·9	0·0	+0·7
Dec.	82·6	**+1·1**	−0·4	−0·5	+0·5	0·0	+0·5	+0·1	−0·2	+0·3	+0·3	+0·7	+0·1	−0·6	−0·4	−0·7	+0·7	+0·5	−0·7	**−1·3**	0·0	−0·3	−0·6	+1·0	0·0
Year	81·5	+2·9	+2·9	+2·6	+2·8	**+3·0**	+2·8	+2·4	+1·4	+0·1	−1·6	−2·8	−3·5	−3·9	**−4·2**	−3·8	−3·2	−2·9	−1·8	−0·8	+0·3	+1·2	+1·6	+2·1	+2·5

RAINFALL: ANNUAL TOTALS OF HOURLY VALUES.

Amounts, in millimetres; durations, in hours, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

315. Cahirciveen (Valencia Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metres. **1922.**

G.M.T.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.	0 to 24.
Amount	mm. 79·5	mm. **82·7**	mm. 71·4	mm. 61·7	mm. 62·4	mm. 55·3	mm. 52·2	mm. 54·0	mm. 49·8	mm. 52·3	mm. 40·0	mm. 39·3	mm. **37·0**	mm. 42·4	mm. 44·8	mm. 53·0	mm. 52·5	mm. 45·8	mm. 59·3	mm. 49·8	mm. 55·9	mm. 67·9	mm. 68·3	mm. 80·7	mm. 1358·0
Duration	hr. **45·7**	hr. 42·1	hr. 37·6	hr. 31·5	hr. 36·1	hr. 36·1	hr. 36·7	hr. 34·9	hr. 31·6	hr. 29·2	hr. 29·1	hr. 30·2	hr. 27·4	hr. 25·6	hr. **25·1**	hr. 33·0	hr. 33·6	hr. 33·2	hr. 35·2	hr. 36·8	hr. 37·4	hr. 35·9	hr. 39·3	hr. 45·4	hr. 828·7

316. Cahirciveen (Valencia Observatory). NOTES ON RAINFALL. **1922.**

Notable Falls of the Year.—There were no falls of a particularly striking nature during the year. The greatest rainfall, both in amount and intensity, was experienced during the night of the 7th–8th July, when a total of more than 44 millimetres was recorded between 19 h. and 4 h. 30 m. The rain was most intense after midnight, more than 30 millimetres of the total falling between 0 h. 30 m. and 4 h.

Dry Periods.—There were no very long dry periods. Between the 10th and 22nd March only 0·6 millimetres of rain fell, during the night of the 14th–15th. Again, from the 27th May to the 6th June, inclusive, only 0·2 millimetres of rain were measured, on the 2nd June, a period of eleven days. Ten consecutive dry days were experienced in October, from the 15th to the 24th, inclusive.

Wet Periods.—Rain fell on every day between the 12th February and the 9th March, an interval of 26 days. Again, from the 11th to the 31st December rain was measured every day; this wet period continued until the 11th January, 1923, increasing the length of the whole wet interval to 32 days.

Amounts, in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

317. Cahirciveen (Valencia Observatory): H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metres. **January, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm	mm	mm.	mm	mm	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm	hr.
1	·1	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·5
2	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	·2	·3	...	...	...	...	...	...	0·7	1·7
3	...	...	...	...	...	...	...	·1	·1	...	·1	·2	·1	·1	·1	·2	...	...	·2	·1	...	...	·1	...	1·4	1·7
4	...	...	...	...	...	...	...	...	...	·6	·1	...	·2	·1	...	·7	·3	...	·1	...	·1	·1	·2	...	2·5	2·0
5	...	...	·3	...	·2	...	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	1·0
6	...	...	...	...	...	·5	...	...	·1	...	...	...	...	...	...	...	...	...	·3	·2	...	·1	...	...	1·2	1·0
7	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	·2	...	0·3	0·3
8	...	2·5	·3	...	...	...	...	...	...	...	...	...	...	...	...	2·0	4·2	·5	·6	·7	·6	...	...	...	11·4	6·4
9	...	...	...	...	...	...	...	...	...	...	...	...	·2	·9	·8	·2	·2	...	·2	...	...	...	...	...	2·5	3·0
10	...	...	...	·8	...	...	·1	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	1·0	0·6
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	·3	1·4	7·8	4·4	3·2	2·3	·6	·7	...	...	...	...	...	...	...	...	·4	...	·2	...	·1	...	...	...	21·4	6·9
14	...	...	...	·4	·1	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	·2	...	...	·1	0·9	0·9
15	·9	1·0	1·3	2·6	1·7	1·2	2·8	5·2	0·5	1·0	0·2	0·3	...	...	·1	·2	·2	·3	·4	...	·2	...	...	·4	20·5	11·4
16	·1	·7	·2	...	1·2	...	·1	...	1·1	...	·3	...	·8	...	...	...	·4	...	·5	·7	·6	...	...	·4	7·1	5·5
17	·3	·2	...	...	...	·5	...	·1	...	·5	·1	...	...	...	...	...	...	·1	...	...	1·4	5·7	1·8	·1	10·8	3·0
18	1·8	7·3	1·1	·1	·1	...	·1	...	...	...	...	...	·1	·7	·1	...	·3	·1	...	·2	·6	·4	·7	·8	14·5	5·8
19	·1	...	1·0	...	...	...	...	...	...	·8	1·7	1·6	·4	·5	·1	...	...	·3	...	...	...	·2	·3	·4	7·4	5·6
20	·1	·1	·2	...	...	1·0	...	...	...	...	...	·4	...	...	...	1·9	3·1	2·4	1·4	·5	1·0	2·9	·8	1·4	17·2	10·5
21	...	·6	2·9	...	2·9	·4	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	...	...	...	7·0	2·3
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	·2	·4	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	0·9
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	·5	·6	·7	·1	...	·1	·1	·1	2·4	2·0	...	...	...	...	...	...	...	...	...	6·6	4·6
26	...	...	...	·6	·4	·4	...	...	...	...	...	...	...	·2	...	...	...	...	1·6	...	...	...	...	...	3·2	1·5
27	...	...	...	...	·4	·2	...	1·4	...	1·5	·2	·6	1·5	3·7	1·2	·9	1·9	·8	·1	...	...	...	·1	·1	14·6	11·1
28	...	·4	2·0	2·0	2·9	·4	·7	·8	1·8	...	1·6	·3	·9	·6	·8	4·4	4·2	6·8	...	...	...	·3	·4	·1	**31·4**	**12·3**
29	·6	·3	·1	...	...	...	...	·4	...	...	·7	·9	·4	...	...	...	...	...	...	...	·2	...	...	...	3·6	3·0
30	·1	·6	...	·1	·1	1·5	...	·5	...	...	1·6	·4	·5	·1	...	...	·4	...	...	...	...	...	...	...	5·9	2·8
31	·4	...	·1	·4	...	...	...	1·2	·2	...	·2	·1	·5	...	·5	·3	...	...	...	·1	...	...	...	...	4·0	2·3
Sum.	5·0	15·7	**17·4**	11·7	13·2	8·9	5·3	11·4	3·9	4·4	7·0	4·9	5·7	9·3	5·7	10·9	15·9	11·6	5·7	2·5	5·1	9·7	4·6	3·8	199·3	109·2
Total Duration.	1·3	6·3	6·0	5·0	5·7	6·1	3·7	4·7	2·8	3·1	4·5	4·8	4·5	3·7	4·0	5·7	**6·5**	5·7	4·3	3·7	4·6	3·4	2·6	3·5	109·2	

318. Cahirciveen (Valencia Observatory) : H_r = 9·1 metres + 0·5 metres. **February, 1922.**

	mm.	mm	mm	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	·2	·1	...	·3	...	...	...	...	...	...	...	...	·3	·2	·6	1·7	2·8	2·7	3·0	·8	...	12·7	7·7
2	·1	·2	·2	...	...	1·0	·7	·6	·1	...	...	·1	1·1	1·0	...	·1	...	...	...	·2	·3	·3	...	...	6·6	3·9
3	·1	·1	...	...	·1	·4	...	·2	·2	·4	...	·1	·4	...	1·3	1·3	...	...	...	·1	·1	...	...	...	4·8	2·8
4	...	...	...	...	...	...	...	...	...	...	·2	...	...	·2	·1	·1	...	...	...	·1	...	...	...	...	0·7	0·6
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·3	·3	·6	1·0	1·7	4·1	4·1
7	·3	·7	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	1·7	1·8	1·9	1·8	4·1	·4	·2	13·2	8·0
8	·3	...	...	·4	...	...	...	...	...	·2	·2	...	...	...	...	·3	1·0	1·1	1·4	·3	...	...	...	...	5·2	5·5
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	·4	1·1	·6	·7	1·3	2·1	...	...	...	...	·1	...	...	·6	...	...	·1	7·9	4·4
13	·1	...	...	...	·6	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	1·8	1·2
14	...	·3	·1	·1	·3	·2	...	·5	·1	...	...	...	...	...	...	·2	·4	1·2	1·1	1·9	·6	...	·1	·2	7·3	6·3
15	...	1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	1·3	·6	1·0	3·4	3·3
16	·9	·7	1·4	2·1	·3	...	...	·2	...	...	·5	·2	...	...	...	...	...	...	...	...	...	...	...	...	6·3	4·5
17	...	1·1	...	·3	2·0	·3	·1	·9	...	·5	...	...	·3	·4	·1	1·6	·7	...	...	·2	...	·1	·1	...	8·7	3·3
18	...	...	...	...	·5	·3	...	...	·2	...	...	...	...	...	...	...	...	...	·1	·2	·2	...	·1	...	1·6	1·5
19	...	...	...	...	...	...	...	·4	...	·2	·4	·5	·1	...	...	...	...	...	·1	·1	...	...	...	...	1·8	2·2
20	·1	·6	...	...	...	...	·1	...	·2	...	...	·1	·6	...	...	·4	·2	...	1·3	...	...	2·7	1·1	...	7·4	3·3
21	·8	2·0	·2	2·6	·5	...	·2	...	...	...	·2	...	·2	·7	·7	...	·4	...	·8	...	...	·4	·2	·4	10·3	5·6
22	·1	...	...	...	...	·2	...	·2	1·6	·6	·2	·3	·9	1·1	...	2·2	2·7	·5	·3	·7	·2	·6	·2	·4	13·0	10·1
23	...	...	...	...	...	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	·6
24	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	1·9	·2	...	·2	3·0	6·6	2·9
25	·8	2·3	2·8	3·3	2·5	2·6	·5	1·3	1·1	1·4	2·2	·5	·7	·2	...	·1	...	...	...	...	...	·7	1·8	1·8	**26·6**	**16·1**
26	1·4	6·1	·5	...	·6	...	...	...	...	...	1·1	...	·3	...	...	...	...	·1	...	·4	...	...	·2	10·7	10·7	3·1
27	...	...	...	...	...	1·6	1·0	...	·8	1·3	...	·2	...	·4	...	...	...	...	...	...	·1	...	·5	·3	6·2	2·3
28	...	·7	·2	...	...	...	·8	·8	...	...	...	...	...	...	...	...	...	·1	...	1·0	...	...	...	...	3·7	0·9
Sum.	3·5	15·0	5·8	8·0	4·3	7·6	3·7	5·7	5·8	5·2	5·7	3·3	6·7	4·0	2·2	6·6	5·6	5·4	6·9	12·1	7·3	13·8	7·1	10·0	170·0	103·6
Total Duration.	hr. 1·2	hr. 3·8	hr. 2·9	hr. 3·3	hr. 1·0	hr. 2·9	hr. 2·5	hr. 3·8	hr. 4·1	hr. 3·3	hr. 3·9	hr. 3·2	hr. 4·7	hr. 3·3	hr. 1·0	hr. 3·2	hr. 3·7	hr. 4·9	hr. 6·6	hr. **7·9**	hr. **5·1**	hr. 6·8	hr. 6·7	hr. 5·8	hr. 103·6	

G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts, in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

319. Cahirciveen (Valencia Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metres. **March, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·3	1·8	1·2	...	...	...	...	·8	4·6	2·6
2	·6	...	·5	·1	...	...	...	...	...	...	...	...	·6	·3	1·4	2·5	1·3	·9	·6	·4	·1	...	...	...	9·3	7·2
3	...	·1	...	·1	·4	·1	...	...	...	...	...	...·1	...	...	...	...	...	...	...	...	...	...	·2	·4	1·4	1·2
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	3·6	1·8	7·1	2·5
5	3·3	2·9	1·1	1·7	·5	·1	·6	1·1	·6	·2	...	·4	...	...	...	...	·1	...	...	...	...	...	·1	...	**12·7**	**7·5**
6	...	·1	·1	...	·1	...	...	·3	...	...	·3	·2	1·3	·8	...	...	·2	·1	·4	...	...	...	...	...	3·9	2·4
7	...	...	...	...	...	...	...	...	·4	...	·2	·1	·1	·1	...	...	·8	...	...	·5	...	...	·4	1·1	3·7	2·1
8	·3	·1	·1	...	·5	·2	·1	·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	1·1
9	·3	...	...	1·0	·9	·3	...	...	·1	·1	·1	·4	·5	...	1·2	·5	·9	...	...	·1	...	...	...	...	6·4	3·6
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	0·2	0·3
15	·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	0·3
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·4	0·4	0·2
24	...	...	·3	1·3	1·1	1·9	1·4	·2	·1	·3	...	...	...	...	·2	·1	...	·3	·3	·1	·3	·1	·1	·5	8·6	6·4
25	·4	·3	...	·5	·5	...	...	1·2	...	...	·3	·9	...	·2	·2	·2	·4	·2	·8	·2	1·3	1·4	·2	·2	9·4	4·2
26	·5	·1	...	...	...	...	3·6	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	4·8	1·9
27	...	1·4	·1	...	·1	...	·1	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	2·0	0·9
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	**6·3**	5·0	2·2	4·7	4·1	2·6	5·8	3·8	1·2	0·6	0·9	2·4	2·5	1·4	3·0	3·8	4·0	3·3	3·3	1·3	1·7	3·2	5·0	5·4	77·5	44·4
Total Duration.	hr. 2·7	hr. 2·0	hr. 1·8	hr. 2·7	hr. **2·9**	hr. 1·8	hr. 2·4	hr. 2·0	hr. 1·4	hr. 0·5	hr. 0·8	hr. 1·4	hr. 1·3	hr. 1·0	hr. 1·9	hr. 2·2	hr. **2·9**	hr. 2·5	hr. 2·0	hr. 1·2	hr. 1·0	hr. 1·3	hr. 2·4	hr. 2·3	hr. 44·4	

320. Cahirciveen (Valencia Observatory) : H_r = 9·1 metres + 0·5 metres. **April, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	·1	...	...	...	...	·2	·8	1·5	1·1
5	2·1	...	...	...	...	...	...	·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·0	0·9
6	...	...	...	...	...	...	·5	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	0·6
7	...	...	...	·2	...	...	...	·4	...	...	...	...	...	...	·2	·4	·2	·1	...	...	...	...	...	...	1·5	3·0
8	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
9	1·0	...	...	...	...	...	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	0·4
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	·7	2·0	·8	1·0	·1	...	...	...	...	...	...	...	...	4·6	3·2
12	...	...	...	...	...	...	...	...	...	...	·6	1·1	...	...	...	·1	...	...	...	...	...	...	...	...	1·8	1·5
13	...	...	...	...	...	·1	·8	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	0·7
14	...	...	...	...	·5	2·2	1·0	·7	2·2	1·7	1·0	·8	·9	1·5	·3	·5	1·2	·9	...	...	...	·1	...	·1	**15·6**	**9·9**
15	...	...	...	·2	·3	·1	...	·1	·1	·4	·2	2·1	·1	·1	·2	·3	·2	·4	·1	...	...	·9	...	·7	6·5	5·1
16	...	...	...	...	...	...	·4	...	...	·2	·1	...	·4	·7	...	...	...	...	...	...	...	·1	·2	...	2·1	0·9
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·8	·4	1·0	1·5	2·0	·7	·5	·9	1·1	9·0	8·7
20	·3	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	2·1
21	...	·1	·4	·2	·1	·2	·2	·4	·6	·4	·3	·1	...	...	...	...	...	...	...	...	·1	·1	...	...	3·2	6·0
22	·2	...	...	...	...	·4	·2	·1	·2	·3	·7	1·0	·2	...	...	...	...	...	...	·3	·1	·2	...	·2	4·1	4·8
23	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	·8	...	·1	·2	1·3	0·7
24	...	...	...	·2	·2	...	·3	1·0	·4	·6	...	...	...	...	·4	·1	...	·1	...	...	...	...	...	...	3·3	1·6
25	·2	...	·6	...	...	...	·2	·9	1·4	·8	1·5	·1	·1	...	...	...	...	·2	·3	·1	...	...	...	·5	6·9	5·7
26	·1	·4	...	...	·6	·3	...	...	...	·1	...	...	...	...	...	...	·6	·4	·2	·5	1·1	·4	·5	·6	5·8	3·1
27	...	1·0	·1	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	·4	...	·3	·6	2·6	1·5
28	...	...	...	...	...	·4	...	...	...	...	...	...	...	·6	...	...	...	...	...	1·3	·5	·1	...	...	2·9	1·0
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	·2	·4	·4	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·5	1·1
Sum.	3·9	1·7	1·2	0·8	1·7	3·7	4·4	5·6	5·7	5·1	4·4	**6·3**	3·7	3·7	2·2	2·3	2·6	3·2	2·1	4·2	3·7	2·4	2·2	4·9	81·7	63·7
Total Duration.	hr. 2·1	hr. 1·7	hr. 1·2	hr. 1·3	hr. 1·7	hr. 3·3	hr. 2·9	hr. 5·0	hr. 3·9	hr. **5·3**	hr. 3·5	hr. 4·1	hr. 2·4	hr. 2·0	hr. 2·4	hr. 2·8	hr. 1·9	hr. 3·1	hr. 1·7	hr. 1·7	hr. 2·4	hr. 2·3	hr. 1·8	hr. 3·2	hr. 63·7	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts, in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

321. Cahirciveen (Valencia Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metres. **May, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm	mm.	mm.	mm.	mm.	hr.
1	·4	·8	·3	·1	...	...	...	...	...	...	...	·4	·7	1·3	·9	·3	...	...	·1	·1	...	...	...	...	5·4	5·9
2	...	...	...	...	...	...	·2	·1	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·3	1·3	1·9
3	·8	1·4	·4	...	·8	·1	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	2·4	·1	·1	...	6·3	4·3
4	...	...	·2	...	·2	...	...	...	...	·1	...	...	·2	...	...	...	...	...	...	...	·1	1·1	3·0	2·4	7·3	3·7
5	·3	...	1·1	·6	...	...	·2	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·5	1·6
6	...	...	...	...	...	...	...	...	...	·5	·1	·7	·5	·1	...	...	...	...	...	...	·2	...	...	...	2·1	3·0
7	·1	·1	·2	·3	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	3·3
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	·4	·1	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	0·5
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	1·2	·4	·5	2·3	2·5
16	2·3	1·2	2·8	1·9	2·0	2·1	2·4	·1	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	15·0	6·8
17	...	...	...	...	·1	·3	·2	...	...	...	...	...	...	·5	·5	·3	...	...	...	...	·1	...	...	...	2·0	1·0
18	...	1·1	...	...	·1	·3	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·1	...	·3	·3	2·5	1·9
19	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	·4	...	...	...	1·5	2·0
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	5·6	2·0	3·5	2·2	·1	1·5	15·9	5·0
21	·1	·3	·1	·2	·3	·5	·2	·2	·2	...	...	...	...	...	·7	1·5	1·2	·6	·6	1·8	1·4	2·5	5·0	2·7	**20·1**	**14·1**
22	·5	·9	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	2·1
23	...	...	...	·1	...	...	·1	·1	·1	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	0·9
24	...	...	·1	·1	·1	·1	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·1
25	...	·1	·3	·1	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	2·5
26	·4	·5	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	2·1
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	5·1	6·5	6·6	3·4	3·9	4·0	3·5	0·7	1·3	1·2	0·3	1·1	1·4	1·9	2·3	2·1	1·2	1·6	6·4	4·9	8·4	7·1	**9·0**	7·7	91·6	66·8
Total Duration.	hr. 5·2	hr. **6·0**	hr. 5·5	hr. 3·3	hr. 4·2	hr. 3·4	hr. 3·2	hr. 1·0	hr. 1·2	hr. 0·9	hr. 0·5	hr. 1·2	hr. 2·2	hr. 1·4	hr. 2·3	hr. 1·8	hr. 1·0	hr. 1·4	hr. 2·3	hr. 3·2	hr. 3·8	hr. 3·7	hr. 3·1	hr. 5·0	hr. 66·8	

322. Cahirciveen (Valencia Observatory) : H_r = 9·1 metres + 0·5 metres. **June, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	·1	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·7
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	·9	·1	...	...	...	...	...	...	...	...	...	...	...	1·0	0·4
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	·1	·2	·2	...	·2	·2	·1	·3	...	...	...	...	...	...	·2	...	·5	·8	·5	·2	3·5	4·4
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·3	·3	1·5	·1	·2	...	2·5	2·9
15	·1	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·5
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	·3	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·9
21	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·1	...	...	...	...	·1	·2	...	...	0·6	0·6
22	...	·1	...	...	...	...	...	...	...	...	...	...	·1	...	·1	...	...	·3	·4	·5	...	...	...	...	1·5	0·9
23	·2	·3	·4	...	...	·2	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	0·7
24	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	·2	...	·1	·1	...	·3	·1	·5	·4	1·9	1·4
25	...	...	...	...	·2	...	...	...	...	1·1	1·0	...	...	...	·3	...	1·0	·9	...	...	·2	...	·8	·4	5·9	4·5
26	·7	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	0·7
27	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·8	1·4	...	...	...	2·3	1·0
29	·3	...	·4	·5	·6	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	·1	·5	...	...	·2	2·7	2·1
30	·1	...	...	·1	·2	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	1·7	1·3	3·9	4·7	**12·4**	**4·7**
Sum	1·4	0·5	1·0	0·9	1·7	0·7	0·6	0·1	0·6	1·4	1·1	1·2	0·2	0·1	0·5	0·3	1·0	1·4	1·1	1·7	**6·2**	2·5	5·9	5·9	38·0	26·9
Total Duration	hr 1·1	hr 0·3	hr 1·0	hr 1·0	hr 1·7	hr. 1·1	hr. 0·8	hr. 0·2	hr. 0·8	hr. 1·2	hr. 0·5	hr. 0·5	hr. 0·2	hr. 0·1	hr. 0·8	hr. 0·3	hr. 0·7	hr. 1·1	hr. 1·0	hr. 1·7	**3·6**	hr. 2·1	hr. 2·7	hr. 2·4	hr. 26·9	
G.M.T	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	

Amounts, in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

323. Cahirciveen (Valencia Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metres. **July, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	3·4	...	...	...	...	...	·1	·9	·2	...	...	1·1	...	...	...	·2	...	...	...	...	...	...	·1	·1	6·1	2·3
2	1·7	·1	·2	·3	...	...	·2	...	·2	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	2·8	1·6
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	5·6	7·5	·1	...	...	13·9	2·4
4	...	·2	·1	...	·2	·1	·2	...	·1	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	1·1	0·9
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	·1	...	...	·9	...	...	...	1·2	0·8
6	·4	...	...	·1	...	·2	...	·1	...	...	...	...	...	·1	...	...	...	·7	·4	...	...	·8	...	1·8	4·6	1·8
7	·4	1·1	·1	·2	...	·2	...	·1	...	...	...	...	...	...	...	...	...	...	·1	·6	1·2	1·5	3·6	3·6	12·7	6·2
8	6·9	5·8	10·7	7·7	2·5	...	3·1	3·3	2·8	·4	...	·4	·8	·3	...	·3	·2	...	...	·1	...	...	...	...	**45·3**	**10·3**
9	·4	...	...	...	...	...	...	1·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	0·4
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	0·2	0·4
12	·3	·3	·1	...	...	·1	·1	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	1·2
13	...	...	...	...	...	1·5	1·5	·1	...	·9	1·4	2·1	2·9	·3	·1	...	...	...	...	...	...	...	...	...	10·8	6·2
14	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
15	...	·6	...	·4	...	·3	·2	...	...	·2	...	·9	...	...	...	...	...	...	...	...	...	...	...	...	2·6	1·7
16	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·2
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	·2	·1	·4	·3	·3	·1	1·7	5·2
20	...	...	...	...	·2	...	·2	1·9	...	·3	1·4	1·2	...	...	...	·7	·3	·4	1·2	·8	·1	...	...	...	8·7	6·5
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	·2	...	...	...	...	1·9	0·7
23	·4	...	·1	·1	·3	...	·5	·3	...	...	...	...	...	...	2·2	1·4	·5	...	...	...	...	...	...	...	5·8	3·8
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	1·8	2·0	0·9
26	·6	·2	...	...	1·3	1·5	·9	2·3	·7	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7·7	5·1
27	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·5	0·6	0·9
29	1·3	·5	·2	·1	·4	·1	...	·1	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	2·8	4·8
30	...	...	...	...	...	...	...	...	...	...	...	...	...	2·4	·6	...	...	...	...	·5	·4	·2	·3	...	4·4	1·8
31	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·2	·2	·1	...	1·0	1·0
Sum.	**16·1**	9·0	11·7	8·9	5·0	4·1	7·0	10·8	4·0	2·0	2·9	5·7	3·7	3·1	2·9	2·8	1·2	1·6	3·7	3·1	8·8	10·6	4·8	8·0	141·5	67·5
Total Duration.	hr. **5·3**	hr. 3·2	hr. 3·4	hr. 3·0	hr. 2·2	hr. 2·8	hr. 3·6	hr. 4·2	hr. 2·5	hr. 1·9	hr. 1·4	hr. 3·2	hr. 1·8	hr. 2·6	hr. 0·7	hr. 2·3	hr. 2·3	hr. 1·6	hr. 2·9	hr. 3·1	hr. 3·9	hr. 3·7	hr. 2·3	hr. 3·6	hr. 67·5	

324. Cahirciveen (Valencia Observatory) : H_r = 9·1 metres + 0·5 metres. **August, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	·2	2·1	...	...	...	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·6	0·9
2	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	·2	·1	·1	·3	·4	1·6	2·6
3	1·0	·9	·8	1·9	3·6	1·3	1·8	3·5	1·9	2·5	·5	·1	...	...	...	·1	1·8	1·8	1·7	·3	...	...	...	...	**25·5**	**13·6**
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·4	...	...	...	...	...	...	0·7	0·6
6	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	·1	...	...	...	...	...	...	...	...	...	0·3	0·5
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·1	3·5	·6	1·1	1·8	·4	·3	...	...	...	12·8	4·5
8	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
9	...	...	...	·3	...	...	1·2	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	1·3
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·5	·5	1·7	1·5	1·1	5·7	5·6
12	1·6	1·3	1·4	1·3	5·2	6·0	2·1	...	...	...	...	...	...	...	...	...	...	...	·6	...	...	...	...	...	19·5	7·1
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·3	1·0	4·1	2·4	8·1	3·2
16	1·7	0·1	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·4	·2	·3	...	...	...	3·4	4·0
17	...	...	·2	...	·2	...	...	·2	...	·2	...	...	·6	·2	·1	...	...	...	...	...	...	·1	...	...	1·8	1·5
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	·4	·3	0·8	1·7
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·7	·3	·6	1·8	1·9
22	·4	·1	·1	...	...	...	...	...	...	...	·1	·1	...	...	...	·3	1·2	·9	1·0	1·3	·9	·2	...	...	6·6	6·5
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	·2	·5	·4	...	1·6	·2	...	...	...	...	...	...	...	...	...	·1	·2	·1	...	·1	3·4	3·7
25	·1	·1	·1	...	...	·1	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·5
26	...	...	...	...	·2	·4	·7	·2	·3	·1	·4	·2	·8	·5	7·5	1·0	·5	·8	·6	·5	...	...	...	...	14·7	11·0
27	...	...	...	...	...	...	...	...	·1	...	...	·4	·3	...	...	...	...	...	...	...	1·0	...	...	...	1·8	0·8
28	...	·3	·2	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·4
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	2·1	3·1	3·1	3·9	3·0	·6	·2	·2	·1	16·4	6·2
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·2	·3	...	...	...	...	·2	·2	·5	1·7	1·1
31	·3	·7	·1	...	...	...	...	...	·2	·3	...	·5	...	...	...	...	...	...	·1	...	...	...	...	...	2·2	1·5
Sum.	5·3	5·7	3·0	3·8	9·4	8·5	6·5	4·3	4·3	3·4	1·1	1·3	1·7	0·7	**13·2**	7·2	7·8	9·0	10·5	6·8	4·4	4·2	7·1	5·5	134·7	81·9
Total Duration.	hr. 4·2	hr. 3·8	hr. 2·5	hr. 2·3	hr. 2·6	hr. 4·7	hr. 4·3	hr. 2·8	hr. 3·5	hr. 2·1	hr. 1·9	hr. 1·8	hr. 0·9	hr. 0·4	hr. 2·1	hr. 3·6	hr. 4·3	hr. **5·8**	hr. 5·7	hr. 5·7	hr. 4·7	hr. 3·2	hr. 5·0	hr. 4·0	hr. 81·9	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	–

Amounts, in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

325. Cahirciveen (Valencia Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + hr (height of receiving surface above ground) = 9·1 metres + 0·5 metres. **September, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·4
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·3	·3	1·3	...	2·0	1·7
3	·6	·5	·5	1·5	1·9	·8	·3	·1	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	6·3	6·4
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	·1	·3	...	...	...	...	...	·3	·6	·1	...	...	...	...	...	...	...	1·4	1·5
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	0·1	0·2
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	·1	...	·1	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	·4	3·4	4·1	1·6
12	·9	2·1	·4	...	·3	·8	·5	·4	1·4	·6	·1	...	...	·5	...	...	·9	·2	·2	...	...	·2	·3	·2	10·0	6·5
13	·5	·1	2·9	5·7	2·3	1·7	·7	·1	·2	...	1·3	...	·1	·2	·4	·8	·6	·6	·4	·9	·4	·4	·5	·4	21·2	15·7
14	·7	1·5	2·1	·9	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·3	...	...	5·8	3·9
15	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	0·6	1·5
16	·4	·4	·2	...	...	·2	...	...	...	...	...	·3	·4	...	...	...	...	...	...	...	...	...	·5	·4	2·8	4·0
17	·5	·1	...	...	...	...	·1	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	1·3	0·9
18	...	...	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·6	...	...	...	1·0	·5	2·7	1·9
19	1·1	·2	1·5	·8	1·0	...	·2	...	...	...	1·0	·4	...	·6	...	...	...	·1	·1	...	...	...	...	...	7·0	4·2
20	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	0·3	0·4
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	1·3	1·0	1·3	1·9	·7	·2	1·3	2·4	...	...	...	...	...	...	...	...	...	...	·6	·1	·3	...	11·1	6·2
26	·7	1·1	·8	1·4	·5	·3	·4	·2	·2	·3	·4	1·0	·2	·3	1·2	1·1	1·2	·3	...	...	2·6	1·3	1·2	·5	17·2	13·0
27	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·8
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	·5	·1	·4	·1	·7	1·3	2·1	2·1	·9	9·5	6·5
30	·5	·3	...	...	...	...	·1	...	...	...	...	...	...	·8	·2	...	·3	...	...	...	...	...	...	...	2·2	3·3
Sum.	6·7	6·3	10·1	11·4	7·8	5·7	3·1	1·4	3·4	3·3	2·8	1·7	1·0	2·4	3·4	3·1	3·2	1·8	1·6	1·7	5·3	4·7	7·6	6·9	106·4	80·6
Total Duration.	hr. 7·6	hr. 4·8	hr. 5·0	hr. 4·4	hr. 4·9	hr. 3·8	hr. 4·8	hr. 2·1	hr. 2·5	hr. 1·6	hr. 2·7	hr. 1·1	hr. 1·2	hr. 2·3	hr. 2·2	hr. 2·8	hr. 2·6	hr. 2·1	hr. 2·5	hr. 2·1	hr. 3·1	hr. 3·6	hr. 5·1	hr. 5·7	hr. 80·6	

326. Cahirciveen (Valencia Observatory) : H_r = 9·1 metres + 0·5 metres. **October, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	0·1	0·1
3	...	...	...	...	...	...	·6	...	...	...	...	...	...	...	...	...	...	1·2	3·2	3·7	·2	...	...	...	8·9	2·5
4	·1	·1	·1	·2	·3	·2	·2	·1	·1	...	...	...	1·4	...	...	...	...	...	...	...	...	...	...	...	2·8	0·5
5	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	·3	·1	...	...	·1	·1	·1	·4	·3	·3	1·1	·8	1·7	1·9	1·3	8·5	7·6
12	·7	·7	·4	...	...	·1	·8	·3	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	3·3	5·0
13	...	...	...	...	...	...	·1	...	·8	1·1	·7	1·0	·2	·2	·1	...	·4	...	...	...	...	...	·8	·8	6·2	5·3
14	1·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	0·5
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	...	·6	1·7	0·6
26	...	·1	·7	...	·3	·2	...	...	...	·2	·3	·9	1·0	·9	·6	1·1	·4	·5	·1	...	...	...	...	·1	7·4	8·5
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	·3	...	...	...	·4	1·0	...	...	...	·1	1·1	·6	1·3	2·4	2·7	5·9	16·4	7·0
Sum.	2·5	1·0	1·2	0·2	0·6	0·6	1·7	0·5	1·2	1·5	1·4	2·0	3·0	2·8	0·8	1·2	1·2	2·2	4·7	5·4	2·3	5·2	5·4	8·7	57·3	43·7
Total Duration.	hr. 1·7	hr. 1·9	hr. 1·8	hr. 0·5	hr. 1·2	hr. 1·2	hr. 2·1	hr. 1·7	hr. 1·2	hr. 1·3	hr. 2·2	hr. 1·9	hr. 1·9	hr. 2·0	hr. 1·3	hr. 1·2	hr. 1·7	hr. 1·7	hr. 2·5	hr. 2·9	hr. 2·2	hr. 2·3	hr. 2·6	hr. 2·7	hr. 43·7	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts, in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

327. Cahirciveen (Valencia Observatory): H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metres. **November, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration, 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	3·0	·1	·2	·3	·2	...	...	...	...	...	...	...	...	...	...	·1	...	·1	...	...	...	...	...	...	4·0	2·0
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	...	2·0	3·3	5·7	2·2
3	6·9	2·6	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	...	2·7	·6	...	·2	...	...	13·9	4·0
4	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	0·4	0·4
5	...	...	·1	...	·1	3·3	·8	1·3	1·4	5·5	4·0	1·6	·7	·2	...	1·3	...	·4	·2	...	...	...	...	1·7	22·6	9·4
6	2·0	1·0	·5	...	·2	·1	...	...	·7	·3	·1	...	...	...	·2	·9	...	·4	...	...	...	...	·1	·3	6·8	4·5
7	·2	1·6	·1	...	...	...	·5	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	·1	·7	3·4	2·4
8	·5	·1	·8	·5	·1	·1	·3	...	...	...	...	...	...	...	...	·5	·1	...	...	...	...	...	...	...	3·0	3·6
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	1·2	1·5	3·1	1·6	·3	·1	...	...	8·1	5·4
10	4·0	7·2	5·9	1·4	·1	·2	1·4	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20·5	5·7
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	·1	·3	·0	·2	·2	·1	·2	·1	·2	·2	·3	·3	...	...	·2	...	·4	·2	·2	·6	4·4	8·6
14	·3	·6	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	1·1
15	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
16	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	0·3	0·4
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·3	...	...	...	...	...	...	...	0·6	1·3
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	0·3	0·1
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	1·6	·1	...	...	...	...	...	...	...	...	2·3	0·9
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	·4	·2	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	1·0
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	·1	·4	·2	·9	·4	·3	...	...	...	...	...	...	...	...	...	...	...	2·3	3·3
Sum.	16·9	13·2	8·0	3·1	1·0	4·0	3·9	2·1	2·7	6·3	5·2	2·1	1·4	1·1	2·2	4·1	2·2	2·4	6·2	2·5	0·7	0·5	2·4	6·6	100·8	56·3
Total Duration.	hr. 5·0	hr. 3·9	hr. 3·2	hr. 2·5	hr. 1·7	hr. 2·1	hr. 2·8	hr. 3·3	hr. 3·0	hr. 2·1	hr. 2·6	hr. 2·0	hr. 1·7	hr. 0·9	hr. 1·9	hr. 2·3	hr. 1·9	hr. 1·7	hr. 2·4	hr. 1·5	hr. 1·3	hr. 0·7	hr. 1·9	hr. 3·9	hr. 56·3	

328. Cahirciveen (Valencia Observatory) : H_r = 9·1 metres + 0·5 metres. **December, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	·2	...	...	...	...	...	...	...	0·5	0·5
4	...	...	...	...	·4	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	0·9	0·7
5	...	·1	...	·1	...	...	...	...	·3	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	0·7	0·8
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·4
8	...	...	...	...	...	...	...	...	...	·4	1·0	1·5	·6	...	...	...	...	...	...	...	...	...	...	...	3·5	2·3
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	·7	·7	·3	·1	·1	·3	·8	·7	1·6	...	...	...	...	5·3	3·0
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	·2	·1	...	0·7	1·0
13	...	...	...	...	...	...	2·1	1·1	1·8	4·2	1·3	·2	·6	·8	1·3	1·4	·3	...	...	...	·7	·4	·3	·6	17·1	9·8
14	...	·4	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·6
15	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	1·2	...	·1	...	...	...	...	...	...	...	3·2	1·5
16	...	...	...	...	...	...	...	...	...	...	1·0	...	·4	2·5	·1	·3	·3	·2	·4	...	...	...	...	·5	5·7	2·6
17	...	...	...	...	·3	...	...	...	·3	1·5	1·2	·5	·2	...	·3	·1	·1	·1	1·9	...	...	...	...	...	6·5	4·2
18	...	...	·2	...	·2	·4	·1	...	...	·3	·2	·3	...	...	...	·3	·1	...	·6	·5	·2	...	·6	·4	4·4	2·8
19	...	...	...	...	...	...	·1	·3	...	...	·7	1·6	·1	·9	·2	·3	·3	...	...	...	...	...	...	...	4·5	2·5
20	·4	·1	·1	·3	·1	·1	...	...	1·0	2·1	...	·1	·7	·5	1·6	1·8	·8	...	...	·1	...	...	...	...	9·8	5·2
21	...	...	...	...	·5	1·2	1·5	2·8	5·4	2·7	...	...	...	...	...	1·0	·3	·2	·2	·1	·2	·2	·4	...	16·7	6·7
22	...	...	·2	2·1	·8	·4	·4	1·1	5·3	2·6	1·2	·4	...	...	...	1·2	...	...	...	...	...	·2	·2	...	16·1	6·8
23	...	...	...	...	·2	...	·1	...	...	...	...	...	...	·4	...	·4	...	...	...	...	...	...	...	·1	1·2	0·8
24	...	...	...	...	...	...	·2	...	...	...	...	·7	...	·7	·3	...	...	...	...	·3	·1	1·7	2·8	2·6	9·4	4·0
25	2·4	1·0	·6	1·0	·7	...	1·8	·3	...	...	...	...	...	...	...	·2	...	·1	...	...	...	...	...	·2	8·9	4·8
26	...	...	...	...	·3	...	...	·6	·5	1·0	...	...	...	...	·6	...	...	...	...	·5	...	...	·6	·4	4·5	1·7
27	...	·4	·6	...	1·1	2·0	...	...	...	...	...	...	...	·6	...	·4	·2	...	·3	...	...	...	...	...	5·6	3·1
28	·2	·2	·6	...	...	·8	...	·1	...	...	·3	1·3	2·2	2·6	·6	·2	·2	...	...	·1	...	·3	...	...	9·7	6·1
29	...	...	·5	...	1·6	...	...	...	·7	2·7	·3	...	...	·1	...	·9	3·4	·9	...	...	·3	·6	2·0	2·2	10·2	6·6
30	1·6	·1	·2	·3	·3	...	...	·3	...	·3	...	...	·3	·4	...	...	...	...	...	...	·2	·4	·2	·3	4·9	3·1
31	·7	·2	...	...	...	...	·4	·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	1·6
Sum.	5·3	3·1	3·2	3·8	6·5	4·9	6·7	7·6	15·7	17·9	7·2	7·3	6·0	11·9	6·4	8 6	6·6	2·3	4·1	3·6	2·0	4·0	7·2	7·3	159·2	84·1
Total Duration.	hr. 2·3	hr. 2·4	hr. 3·3	hr. 2·2	hr. 3·3	hr. 2·9	hr. 3·6	hr. 4·1	hr. 4·7	hr. 5·9	hr. 4·6	hr. 5·0	hr. 4·6	hr. 5·9	hr. 4·5	hr 4·8	hr. 4:1	hr. 1·6	hr. 1·3	hr. 2·1	hr. 1·7	hr. 2·8	hr. 3·1	hr. 3·3	hr. 84·1	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

329. Cahirciveen (Valencia Observatory) : h_S (height of recorder above ground) = 12·8 metres.

January, 1922.

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
2	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
3	—	—	—	—	—	...	...	...	...	·6	·2	·3	...	—	—	—	—	—	1·1	14
4	—	—	—	—	—	...	·2	·2	·2	·4	...	...	...	—	—	—	—	—	1·0	13
5	—	—	—	—	—	...	·3	·3	1·0	·8	...	...	...	—	—	—	—	—	2·4	31
6	—	—	—	—	—	...	...	...	...	...	·2	...	...	—	—	—	—	—	0·2	3
7	—	—	—	—	—	...	...	...	...	...	·1	...	...	—	—	—	—	—	0·1	1
8	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
9	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
10	—	—	—	—	—	...	·2	·6	·9	1·0	·1	·5	·2	—	—	—	—	—	3·5	44
11	—	—	—	—	—	...	...	·5	1·0	1·0	·9	·6	·4	—	—	—	—	—	4·4	55
12	—	—	—	—	—	...	·9	1·0	1·0	·1	·1	·2	...	—	—	—	—	—	3·3	41
13	—	—	—	—	...	...	...	...	·8	1·0	1·0	·2	...	...	—	—	—	—	3·0	37
14	—	—	—	—	...	...	...	...	·1	·4	...	...	...	...	—	—	—	—	0·5	6
15	—	—	—	—	...	...	...	...	·6	·3	·3	·1	...	...	—	—	—	—	1·3	16
16	—	—	—	—	...	...	...	...	...	·2	·2	·4	...	...	—	—	—	—	0·8	10
17	—	—	—	—	...	...	·2	1·0	1·0	1·0	·9	·8	...	...	—	—	—	—	**4·9**	**59**
18	—	—	—	—	...	...	·5	·3	...	·2	·3	·2	...	...	—	—	—	—	1·5	18
19	—	—	—	—	...	...	...	...	·2	...	·1	...	...	...	—	—	—	—	0·3	4
20	—	—	—	—	...	...	·4	...	...	...	...	...	...	...	—	—	—	—	0·4	5
21	—	—	—	—	...	...	·4	·9	·8	·8	·9	·4	...	...	—	—	—	—	4·2	50
22	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
23	—	—	—	—	...	...	...	...	·4	1·0	1·0	·2	...	...	—	—	—	—	2·6	30
24	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
25	—	—	—	—	...	...	...	...	...	...	...	·1	·6	...	—	—	—	—	0·7	8
26	—	—	—	—	...	...	·5	·4	·6	·7	·8	·8	...	...	—	—	—	—	3·8	44
27	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
28	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
29	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
30	—	—	—	—	...	...	...	·4	·1	·2	...	·6	...	...	—	—	—	—	1·3	15
31	—	—	—	—	...	...	...	...	·4	...	...	...	...	...	—	—	—	—	0·4	4
Sum.	—	—	—	—	...	...	3·6	5·6	9·1	**9·7**	7·1	5·4	1·2	...	—	—	—	—	41·7	—
Mean.	—	—	—	—	...	...	0·12	0·18	0·29	**0·31**	0·23	0·17	0·04	...	—	—	—	—	1·35	17

330. Cahirciveen (Valencia Observatory) : h_S = 12·8 metres. **February, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	...	·1	·1	·4	·2	...	...	...	...	...	—	—	—	—	0·8	9
2	—	—	—	—	...	·1	...	...	...	...	...	...	...	...	—	—	—	—	0·1	1
3	—	—	—	—	...	...	...	·4	...	·3	...	...	...	...	—	—	—	—	0·7	8
4	—	—	—	—	...	·3	·5	·9	·8	·8	·6	·6	·5	...	—	—	—	—	5·0	54
5	—	—	—	—	...	·5	1·0	1·0	1·0	1·0	1·0	·3	...	...	—	—	—	—	**5·8**	**62**
6	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
7	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
8	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
9	—	—	—	—	...	·1	1·0	·6	·6	·8	·6	1·0	·2	...	—	—	—	—	4·9	52
10	—	—	—	—	...	...	·3	1·0	1·0	...	...	·1	·3	...	—	—	—	—	2·7	28
11	—	—	—	—	...	...	...	...	...	...	...	·1	·1	...	—	—	—	—	0·2	2
12	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
13	—	—	—	—	·1	·1	·4	·7	·9	·8	·7	·5	·2	...	—	—	—	—	4·4	45
14	—	—	—	—	...	·2	·8	·5	...	...	...	...	...	...	—	—	—	—	1·5	18
15	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
16	—	—	—	—	...	...	...	·1	...	·1	·1	·2	...	...	—	—	—	—	0·5	5
17	—	—	—	—	...	·3	·8	1·0	·4	·3	·4	...	...	...	—	—	—	—	3·2	32
18	—	—	—	—	...	...	...	...	·8	·7	1·0	...	...	...	—	—	—	—	2·5	23
19	—	—	—	...	...	...	...	·2	·9	·8	·7	·2	...	...	...	—	—	—	2·8	28
20	—	—	—	...	·1	·6	·8	·6	·7	·8	·2	...	·1	...	...	—	—	—	3·9	38
21	—	—	—	...	...	·1	·2	·3	...	...	...	...	...	...	...	—	—	—	0·6	6
22	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
23	—	—	—	...	...	...	...	...	·2	·5	·9	·8	·1	...	...	—	—	—	2·5	24
24	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
25	—	—	—	...	...	...	...	...	...	...	...	·6	·9	·8	...	—	—	—	2·3	22
26	—	—	—	...	...	·1	·5	·3	...	·3	1·0	·9	·2	...	...	—	—	—	3·3	31
27	—	—	—	...	...	·3	·3	·8	·9	·8	·2	·1	...	...	...	—	—	—	3·4	33
28	—	—	—	...	...	·2	·8	·3	·5	·8	·4	...	...	...	...	—	—	—	3·0	28
Sum.	—	—	—	...	0·2	3·0	7·5	**9·1**	8·9	8·8	7·8	5·4	2·6	0·8	...	—	—	—	54·1	—
Mean.	—	—	—	...	0·01	0·11	0·27	**0·33**	0·32	0·31	0·28	0·19	0·09	0·03	...	—	—	—	1·93	20
Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

331. Cahirciveen (Valencia Observatory) : h_s (height of recorder above ground) = 12·8 metres.

March, 1922.

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	...	...	...	...	...	...	·4	·8	·2	...	...	...	—	—	—	1·4	13
2	—	—	—	...	...	...	...	...	·1	...	...	...	...	...	...	—	—	—	0·1	1
3	—	—	—	...	...	...	...	...	...	...	...	...	...	·9	...	—	—	—	0·9	8
4	—	—	—	...	·3	1·0	·7	·6	1·0	1·0	1·0	·2	...	...	...	—	—	—	5·8	53
5	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
6	—	—	—	...	...	...	·1	...	...	...	...	·4	·4	...	...	—	—	—	0·9	8
7	—	—	—	...	·1	·7	·7	·6	·4	·7	·7	·2	...	...	...	—	—	—	4·8	43
8	—	—	—	...	·1	·5	·6	·9	1·0	1·0	1·0	1·0	·7	·5	...	—	—	—	7·3	65
9	—	—	—	...	·2	·6	·7	·8	·6	·5	·3	...	...	...	...	—	—	—	3·7	33
10	—	—	—	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·2	...	—	—	—	8·5	75
11	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
12	—	—	—	...	·6	1·0	·5	·4	·8	1·0	·5	...	...	...	...	—	—	—	4·8	42
13	—	—	—	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	—	—	—	9·1	78
14	—	—	—	...	...	·3	...	·3	·4	·5	·7	·5	...	...	...	—	—	—	2·7	23
15	—	—	—	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·1	—	—	—	9·8	83
16	—	—	—	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	—	—	—	9·1	77
17	—	—	—	...	·7	1·0	1·0	·2	·6	·7	·2	...	...	...	...	—	—	—	4·4	37
18	—	—	—	...	...	...	·1	...	...	...	...	...	...	...	...	—	—	—	0·1	1
19	—	—	—	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	—	—	—	9·8	80
20	—	—	—	...	...	...	...	...	·2	·1	·6	·9	1·0	·8	·4	—	—	—	4·0	31
21	—	—	...	...	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	1·0	·8	·4	...	—	—	10·1	83
22	—	—	...	·1	·3	·1	·6	·2	·2	·5	·1	...	·4	·2	...	...	—	—	2·7	22
23	—	—	...	...	...	·1	·9	·9	·2	1·0	·9	·8	·1	...	...	...	—	—	4·9	40
24	—	—	...	...	...	·2	·5	·7	·5	·7	·2	·1	...	...	...	...	—	—	2·9	24
25	—	—	...	...	·1	·4	·5	·6	·1	·4	·3	·3	·5	·3	...	...	—	—	3·5	28
26	—	—	...	·2	1·0	1·0	1·0	·7	·8	·8	1·0	·8	1·0	1·0	·5	...	—	—	9·8	79
27	—	—	...	...	·5	·9	·6	·4	·9	1·0	·5	·9	·5	·6	...	...	—	—	6·8	54
28	—	—	...	·4	1·0	1·0	1·0	1·0	·8	·7	1·0	1·0	1·0	·6	·3	...	—	—	9·8	78
29	—	—	...	·5	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	1·0	1·0	·4	...	—	—	**10·8**	**85**
30	—	—	...	...	·6	·3	·2	...	...	·2	·9	·2	...	...	...	...	—	—	2·4	19
31	—	—	...	...	...	...	...	...	...	·7	·9	·8	·3	...	...	...	—	—	2·7	21
Sum.	—	—	...	1·2	11·2	16·1	16·7	15·4	15·6	**18·6**	**18·6**	15·8	12·9	9·4	2·1	...	—	—	153·6	—
Mean.	—	—	...	0·04	0·36	0·52	0·54	0·50	0·50	**0·60**	**0·60**	0·51	0·42	0·30	0·07	...	—	—	4·95	43

332. Cahirciveen (Valencia Observatory) : h_s = 12·8 metres.

April, 1922.

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	...	·3	1·0	1·0	1·0	·9	·6	·9	·7	·4	...	...	...	...	—	—	6·8	53
2	—	—	...	...	...	...	·2	1·0	·3	·1	...	...	...	·1	...	...	—	—	1·7	13
3	—	—	...	...	...	·1	·5	·9	1·0	1·0	1·0	·9	1·0	·5	·3	...	—	—	7·2	55
4	—	—	...	·3	1·0	1·0	1·0	·6	1·0	1·0	·4	·5	·5	·4	·7	...	—	—	8·4	64
5	—	—	...	...	·7	·3	1·0	1·0	1·0	·2	·9	·8	1·0	1·0	1·0	·2	—	—	9·1	69
6	—	—	...	·2	·4	1·0	1·0	1·0	1·0	·8	...	·2	·2	...	...	...	—	—	5·8	44
7	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
8	—	—	...	·3	...	·4	...	·2	·2	·6	·8	·9	1·0	1·0	·8	...	—	—	6·2	46
9	—	—	...	·7	·9	·7	·9	1·0	1·0	·7	1·0	1·0	1·0	1·0	1·0	·2	—	—	**11·1**	**83**
10	—	—	...	·8	1·0	1·0	·7	1·0	·9	·4	·5	...	...	...	...	...	—	—	6·3	47
11	—	—	...	...	...	·1	·1	...	...	...	...	...	·4	·7	1·0	·1	—	—	2·4	18
12	—	—	...	...	...	...	...	...	...	...	...	...	...	·3	1·0	...	—	—	1·3	10
13	—	—	...	...	·3	·9	...	...	·3	·1	·3	·8	·8	1·0	1·0	·3	—	—	5·8	42
14	—	—	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	—	—	0·3	2
15	—	—	...	...	...	...	...	...	·3	·1	...	...	·1	...	...	...	—	—	0·5	4
16	—	—	...	·3	1·0	·7	·8	·6	·5	·8	·9	·6	·6	·5	·1	...	—	—	7·4	53
17	—	—	...	...	·3	·1	·5	·3	·3	·9	1·0	1·0	1·0	1·0	·6	...	—	—	7·0	50
18	—	—	...	·1	·9	·8	·4	1·0	1·0	1·0	1·0	1·0	1·0	·8	·2	...	—	—	9·2	66
19	—	—	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	—	—	0·1	1
20	—	—	...	...	...	·2	·1	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·1	—	—	7·9	56
21	—	...	...	...	...	...	...	·2	1·0	1·0	1·0	1·0	·7	·6	·5	·1	...	—	6·1	43
22	—	...	...	...	...	...	...	...	...	...	...	·4	...	·4	·2	...	...	—	1·0	7
23	—	...	...	...	...	·6	...	...	...	·7	...	...	·2	·5	·1	...	...	—	2·1	15
24	—	...	...	·2	·3	·5	·6	·5	·8	·8	·8	·8	·5	·4	·6	...	...	—	6·8	47
25	—	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	—	0·1	1
26	—	...	·3	·9	·6	·8	·4	·7	1·0	1·0	·8	·6	·5	·2	·4	...	...	—	8·2	57
27	—	...	·2	·4	·2	·4	·9	1·0	1·0	1·0	·6	1·0	·8	·2	·5	·2	...	—	8·4	58
28	—	...	...	·2	·6	1·0	·8	1·0	·9	·4	·8	·2	·2	1·0	·7	·4	...	—	8·2	56
29	—	...	·5	·5	·2	·6	·5	1·0	1·0	·6	·8	·7	1·0	1·0	1·0	·7	...	—	10·1	69
30	—	...	...	...	·2	...	...	·5	·5	·8	1·0	1·0	1·0	1·0	1·0	·2	...	—	7·2	49
Sum.	—	...	1·0	5·2	9·6	12·3	11·4	14·9	**16·6**	15·9	15·3	15·1	14·6	14·6	13·7	2·5	...	—	162·7	—
Mean.	—	...	0·03	0·17	0·32	0·41	0·38	0·50	**0·55**	0·53	0·51	0·50	0·49	0·49	0·46	0·08	...	—	5·42	39

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent of Possible.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

333. Cahirciveen (Valencia Observatory) : h_s (height of recorder above ground) = 12·8 metres. **May, 1922.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent of Possible
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
2	—	...	...	...	...	...	...	...	·2	...	·7	1·0	·6	...	...	...	...	—	2·5	17
3	—	...	...	...	...	...	...	·1	·9	1·0	1·0	1·0	1·0	1·0	·9	·1	...	—	7·0	47
4	—	...	·4	·9	·4	·8	1·0	1·0	·8	1·0	·9	1·0	1·0	·7	·9	...	...	—	10·8	72
5	—	...	·1	·5	·3	1·0	·6	1·0	1·0	·9	·5	1·0	·9	·3	...	...	...	—	8·1	52
6	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
7	—	...	...	...	·8	·2	...	...	...	...	·7	1·0	1·0	1·0	1·0	1·0	...	—	6·7	44
8	—	...	...	...	...	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·1	...	—	8·3	55
9	—	...	·7	1·0	·10	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	·2	...	...	...	—	10·4	68
10	—	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	—	0·1	1
11	—	...	...	...	·1	1·0	1·0	·8	·7	·3	·4	1·0	1·0	1·0	1·0	·5	...	—	8·8	57
12	—	...	·2	·5	·1	...	·4	·6	·6	1·0	1·0	·8	·3	·5	1·0	1·0	·2	—	8·2	53
13	—	...	·1	...	·2	...	·2	·4	·1	...	...	1·0	1·0	1·0	1·0	·3	...	—	5·3	34
14	—	...	...	...	·2	·6	·8	·1	·2	·9	·6	·4	·5	1·0	1·0	·4	...	—	6·7	43
15	—	...	...	...	·6	·3	...	·2	...	·9	·8	...	...	...	...	...	...	—	2·8	18
16	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	—	0·2	1
17	—	...	...	...	·6	·1	·6	1·0	·6	·2	...	·1	·6	·9	·7	·3	...	—	5·7	36
18	—	...	·4	·2	·2	1·0	·7	·7	·8	·2	·6	...	...	...	...	...	...	—	4·8	31
19	—	...	...	...	...	·4	·1	...	·4	·5	...	...	·1	...	...	...	...	—	1·5	10
20	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
21	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
22	—	...	·6	1·0	1·0	1·0	1·0	1·0	·8	·9	·4	...	...	·4	·2	...	...	—	8·3	52
23	—	...	...	...	...	...	·2	...	·3	1·0	·7	1·0	1·0	1·0	·9	·7	...	—	6·8	43
24	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
25	—	...	...	...	...	·1	...	...	·3	·2	·1	·2	·1	·2	...	...	...	—	1·2	7
26	—	...	·1	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	·9	1·0	...	—	11·6	70
27	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	15·3	95
28	...	·2	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	14·8	92
29	...	·7	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·8	·7	...	**14·9**	92
30	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	·8	·7	...	**14·9**	92
31	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	·5	·7	...	14·4	89
Sum.	...	2·7	7·6	9·0	11·2	13·5	13·8	14·9	15·7	17·0	16·4	**17·5**	16·5	16·1	14·8	9·6	3·8	...	200·1	—
Mean.	...	0·09	0·25	0·29	0·36	0·44	0·45	0·48	0·51	0·55	0·53	**0·56**	0·53	0·52	0·48	0·31	0·12	...	6·46	42

334. Cahirciveen (Valencia Observatory) : h_s = 12·8 metres. **June, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	·7	1·0	1·0	1·0	·1	...	...	11·5	70
2	...	...	...	...	...	...	...	·1	·3	1·0	·9	·9	1·0	1·0	·9	·5	...	...	6·6	40
3	...	...	·1	...	·5	·5	·1	·2	...	·2	...	·1	·2	1·0	·9	·8	...	...	4·6	28
4	...	...	...	...	...	...	...	·1	·5	·5	·9	·9	·7	·3	...	...	...	...	3·9	24
5	...	...	...	...	...	·2	·2	·2	...	·1	·1	·2	·2	·7	·5	...	...	...	2·4	15
6	...	·5	·5	·5	·8	·4	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	**12·4**	**75**
7	...	...	...	...	...	·1	·1	·7	·7	1·0	1·0	·4	...	...	...	...	...	...	4·0	24
8	...	...	·3	·5	·4	·8	·9	·8	·4	·5	·6	·1	·1	·9	·8	·3	...	...	7·4	45
9	...	·2	·8	·6	1·0	1·0	·8	·6	·8	·5	1·0	·9	·9	·7	·2	...	...	...	10·0	60
10	...	...	...	...	...	...	...	...	...	...	·6	1·0	1·0	·2	·4	...	...	...	3·2	19
11	...	·4	1·0	·5	...	...	...	...	...	·2	...	...	...	...	·1	...	...	...	2·2	13
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	·1	·4	·5	·1	1·0	1·0	1·0	1·0	1·0	1·0	·5	·5	·3	...	...	8·4	51
14	...	...	·1	·3	...	·5	·8	...	...	...	...	...	...	...	...	...	...	...	1·7	10
15	...	...	...	...	...	...	·1	·1	·3	·5	·6	·8	·7	·6	1·0	1·0	·5	...	6·2	37
16	...	...	...	...	...	...	...	...	...	·1	·1	...	·5	·5	·5	...	...	...	1·7	10
17	...	...	...	...	·3	...	·4	1·0	·9	·9	·9	1·0	1·0	1·0	·1	...	...	...	7·5	45
18	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	0·1	1
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	·6	·8	1·0	·6	·6	1·0	·6	·9	...	·1	·2	...	6·4	38
21	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·0	...	...	·1	...	1·2	7
22	...	...	...	...	...	...	...	...	...	·1	...	·2	...	·1	...	...	...	...	0·4	2
23	...	...	...	·1	...	·1	...	·1	·1	·1	·2	·1	...	...	...	...	...	...	0·8	5
24	...	...	·1	...	·4	·7	·4	·0	·9	·8	·5	·7	·8	·5	·4	·3	...	...	7·1	43
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	·2	·9	·8	·9	·1	·3	·1	...	...	...	3·3	20
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·0	...
28	...	...	·1	...	...	...	...	...	...	·1	·6	1·0	1·0	1·0	1·0	·3	...	...	5·1	31
29	...	...	·2	·6	·8	1·0	·6	·7	1·0	·4	·1	·4	·2	·2	...	...	...	...	6·2	37
30	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	0·1	1
Sum.	...	1·3	4·2	4·2	5·6	6·8	6·2	9·0	10·1	11·0	11·3	13·3	12·3	**13·4**	9·4	4·7	1·4	...	124·4	—
Mean.	...	0·04	0·14	0·14	0·19	0·23	0·21	0·30	0·34	0·37	0·38	0·44	0·41	**0·45**	0·31	0·16	0·05	...	4·15	25

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent of Possible.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

335. Cahirciveen (Valencia Observatory): h_s (height of recorder above ground) = 12·8 metres. **July, 1922.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per Cent. of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	...	...	...	...	...	·7	·2	...	·8	1·0	·9	1·0	·7	·9	·6	...	...	...	6·8	41
2	...	...	...	...	...	...	...	...	·6	·2	1·0	1·0	1·0	1·0	1·0	·1	...	...	5·9	36
3	...	...	...	·5	·7	·9	·5	·5	·6	·3	1·0	·8	...	...	...	...	...	...	5·8	35
4	...	...	·6	·2	·2	...	·2	·4	·3	·1	1·0	·6	1·0	·6	1·0	·9	·2	...	7·3	44
5	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	0·1	1
6	...	...	·8	·1	·7	·5	·9	·7	·5	1·0	·9	·9	·4	·8	·5	·3	·5	...	9·5	58
7	...	·1	·4	...	...	...	...	...	·4	·2	1·0	·7	·3	...	...	...	...	...	3·1	19
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	·1	...	...	·8	...	·6	·4	·1	...	...	·1	...	...	...	...	...	2·1	13
10	...	·7	·8	1·0	1·0	1·0	1·0	·9	...	·9	·9	·9	·7	·5	1·0	·6	·8	...	**12·7**	**77**
11	...	·2	·1	...	...	...	·2	·4	...	...	...	...	...	...	...	...	...	...	0·9	5
12	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	0·2	1
13	...	...	...	...	...	...	...	...	...	...	...	·1	·4	·4	...	...	...	...	0·9	6
14	...	...	·1	...	...	...	·4	·3	·1	·3	·1	·2	·5	·9	·7	·2	...	...	3·8	23
15	...	...	·1	·6	...	...	...	·2	·9	·7	·9	·9	·9	·8	·3	...	...	...	6·3	39
16	...	·1	...	·4	·1	·7	·7	·8	·4	·6	·7	1·0	·5	...	...	...	...	...	6·0	37
17	...	...	...	...	·4	·2	...	...	...	·5	·1	1·0	·6	1·0	1·0	·8	...	...	5·6	35
18	...	·3	·6	·2	1·0	·6	·4	1·0	·9	·8	·7	·6	·8	·3	·7	·2	...	...	9·1	56
19	...	...	...	...	...	·5	·6	·9	·2	...	...	...	...	...	...	...	...	...	2·2	14
20	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
21	—	...	·1	·1	·1	...	·1	·1	·2	·7	1·0	1·0	·6	...	·3	·7	...	—	5·0	31
22	—	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	—	0·1	1
23	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	—	0·3	2
24	—	...	...	·1	·2	...	...	·2	...	·7	·8	1·0	1·0	1·0	1·0	1·0	·2	—	7·2	45
25	—	...	...	...	...	...	...	...	...	·7	·2	...	...	...	...	...	...	—	0·9	6
26	—	...	...	...	...	...	...	...	...	·2	·2	·8	1·0	1·0	·6	1·0	·1	—	4·9	31
27	—	...	...	...	...	·2	...	...	...	·1	...	...	·2	·5	·3	·9	·1	—	2·3	15
28	—	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	·8	...	...	...	...	—	10·7	68
29	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·3	—	0·5	3
30	—	...	...	·3	·8	1·0	·3	...	...	...	·2	1·0	·9	·2	·3	·2	...	—	5·2	33
31	—	...	·2	·8	·8	·8	·9	1·0	1·0	1·0	1·0	1·0	·9	·2	...	...	...	—	9·6	62
Sum.	...	1·9	4·9	5·3	7·0	8·9	7·5	9·2	8·4	11·1	13·6	**14·9**	13·3	10·1	9·3	7·1	2·5	...	135·0	—
Mean.	...	0·06	0·16	0·17	0·23	0·29	0·24	0·30	0·27	0·36	0·44	**0·48**	0·43	0·33	0·30	0·23	0·08	...	4·35	27

336. Cahirciveen (Valencia Observatory) : h_s = 12·8 metres. **August, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	...	...	·1	...	·3	·1	·1	·4	1·0	1·0	1·0	1·0	...	...	...	...	—	5·0	32
2	—	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	—	0·1	1
3	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
4	—	...	...	...	...	...	...	...	...	...	·1	·2	·1	·1	·2	...	...	—	0·7	5
5	—	...	...	...	...	...	·1	...	·1	·6	...	...	...	...	...	...	...	—	0·8	5
6	—	...	...	·1	·1	...	...	...	...	·1	...	...	...	...	·2	...	·2	—	0·7	5
7	—	...	·4	...	·3	·9	·4	·7	·6	·6	·2	...	...	...	...	...	...	—	4·1	27
8	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	...	—	0·5	3
9	—	...	...	...	·2	·6	·9	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	...	—	10·6	71
10	—	...	...	·8	1·0	1·0	1·0	1·0	·8	1·0	1·0	1·0	·6	1·0	1·0	1·0	·2	—	**12·4**	**83**
11	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
12	—	...	...	...	...	...	0·7	·1	·2	·3	·6	1·0	1·0	1·0	·7	...	...	—	5·6	38
13	—	...	·1	...	·3	·1	...	...	...	...	...	...	...	...	...	·1	...	—	0·6	4
14	—	...	...	...	·2	...	...	...	·2	·4	1·0	1·0	1·0	1·0	·5	·1	...	—	5·4	37
15	—	...	·2	...	·2	·5	·1	·3	·4	·7	·6	·8	·5	...	...	...	...	—	4·3	29
16	—	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	—	0·1	1
17	—	...	...	...	·3	·1	·9	·8	·6	·6	·6	·7	·4	·3	·3	...	...	—	5·6	38
18	—	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	—	...	...
19	—	...	...	...	...	...	...	...	·7	...	·2	·1	·1	·7	·3	·4	...	—	2·5	17
20	—	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	—	0·1	1
21	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
22	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
23	—	...	...	1·0	·7	·7	·3	·9	·4	·8	...	·3	·2	...	...	...	...	—	5·3	37
24	—	—	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	—	0·2	1
25	—	—	...	...	...	...	·2	·4	·6	·4	·4	1·0	1·0	1·0	1·0	·7	—	—	6·7	48
26	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
27	—	—	...	·3	·1	·9	1·0	·7	·7	·8	·8	1·0	·7	·8	·3	...	—	—	8·1	58
28	—	—	...	·0	·8	·5	·4	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	—	—	10·9	79
29	—	—	...	·2	...	·1	...	...	...	...	...	...	...	...	...	...	—	—	0·3	2
30	-	-	...	·8	·3	·8	·9	·5	·7	·2	·2	·8	·7	·8	·7	·3	—	—	7·7	56
31	—	—	...	·2	·4	·2	·7	·1	·2	·7	·3	·4	·5	·2	...	...	—	—	3·9	29
Sum.	—	...	0·7	4·1	5·0	6·7	7·8	7·5	8·7	10·3	9·0	**11·3**	9·9	8·8	7·2	4·8	0·4	—	102·2	—
Mean.	—	...	0·02	0·13	0·16	0·22	0·25	0·24	0·28	0·33	0·29	**0·36**	0·32	0·28	0·23	0·15	0·01	—	3·30	23

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent of Possible.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

337. Cahirciveen (Valencia Observatory) : h_s (height of recorder above ground) = 12·8 metres.

September, 1922.

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.
	hr.	hr.	hr	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	...	...	...	...	·2	·1	...	·5	·3	·5	·3	·2	...	...	—	—	2·1	15
2	—	—	...	...	...	...	...	...	·8	1·0	·7	·8	...	...	...	...	—	—	3·3	24
3	—	—	...	...	...	...	...	·2	·2	·2	.2	·3	·1	·2	...	...	—	—	1·4	10
4	—	—	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	—	—	0·1	1
5	—	—	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	—	—	0·1	1
6	—	—	...	·3	1·0	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	—	—	10·2	77
7	—	—	...	...	·1	...	·7	·9	1·0	1·0	·7	·7	·7	·6	·7	·1	—	—	7·2	55
8	—	—	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	·1	·3	...	—	—	9·7	74
9	—	—	...	...	...	...	...	...	...	·2	·2	·1	·3	...	...	...	—	—	0·8	6
10	—	—	...	·7	1·0	1·0	·8	·7	·9	1·0	1·0	1·0	1·0	1·0	1·0	·2	—	—	11·3	87
11	—	—	...	...	...	...	·1	·1	...	...	·5	...	...	...	...	...	—	—	0·7	5
12	—	—	...	...	...	...	...	...	·2	·4	·4	·7	·2	·4	...	...	—	—	2·3	18
13	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
14	—	—	...	...	...	...	...	·1	·4	·3	·2	...	·1	...	...	...	—	—	1·1	9
15	—	—	...	...	...	·5	·1	·9	·8	·9	1·0	1·0	·7	·5	...	...	—	—	6·4	50
16	—	—		...	...	...	...	...	...	...	...	...	·1	...	...	...	—	—	0·1	1
17	—	—	...	...	·3	·7	·8	·7	1·0	·9	·9	·8	1·0	·8	·4	...	—	—	8·3	66
18	—	—	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	—	—	0·1	1
19	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
20	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
21	—	—	...	...	...	...	...	·1	...	·1	·2	...	...	...	...	...	—	—	0·4	3
22	—	—	...	...	...	·1	...	...	·2	·1	·2	·4	...	...	...	...	—	—	1·0	8
23	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
24	—	—	—	...	·2	·1	...	...	·5	·2	·5	·8	...	...	...	—	—	—	2·3	19
25	—	—	—	...	...	...	...	·2	·8	·8	1·0	·5	·3	...	...	—	—	—	3·6	30
26	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
27	—	—	—	...	...	...	...	...	·2	·2	·1	·1	...	·5	·1	—	—	—	1·2	10
28	—	—	—	...	...	...	·3	·4	·1	·2	·6	·5	1·0	1·0	·1	—	—	—	4·2	36
29	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
30	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
Sum.	—	—	—	1·8	3·6	4·2	5·1	6·5	9·1	10·0	10·7	10·2	7·3	6·3	2·8	0·3	—	—	77·9	—
Mean.	—	—	...	0·06	0·12	0·14	0·17	0·22	0·30	0·33	0·36	0·34	0·24	0·21	0·09	0·01	—	—	2·60	20

338. Cahirciveen (Valencia Observatory) : h_s = 12·8 metres. **October, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	...	...	...	...	...	·8	1·0	·8	·1	...	...	...	—	—	—	2·7	23
2	—	—	—	...	...	·2	·2	...	·5	...	...	...	...	...	...	—	—	—	0·9	8
3	—	—	—	...	...	...	...	...	...	·1	...	...	...	...	...	—	—	—	0·1	1
4	—	—	—	...	...	...	...	...	...	...	·1	·1	·2	...	...	—	—	—	0·4	4
5	—	—	—	...	...	...	·2	1·0	1·0	1·0	1·0	1·0	·1	...	...	—	—	—	5·3	47
6	—	—	—	...	...	·5	·7	·2	·4	·2	...	...	...	·1	...	—	—	—	2·1	19
7	—	—	—	...	·1	·2	·4	1·0	1·0	1·0	·8	1·0	1·0	·5	...	—	—	—	7·0	63
8	—	—	—	...	...	·7	1·0	1·0	·9	·7	1·0	1·0	1·0	·8	...	—	—	—	8·1	73
9	—	—	—	...	·3	·7	·9	1·0	·8	·1	·1	...	...	...	...	—	—	—	3·9	35
10	—	—	—	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	—	—	-	9·1	83
11	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
12	—	—	—	...	...	...	...	...	·1	1·0	1·0	1·0	·5	...	...	—	—	—	3·6	33
13	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
14	-	—	—	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	—	—	—	9·2	86
15	—	—	—	...	·2	·2	·7	·8	·5	·8	1·0	·4	...	...	...	—	—	—	4·6	43
16	—	—	—	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	—	—	—	9·0	85
17	—	—	—	...	·2	1·0	·2	...	...	...	...	1·0	·8	·1	...	—	—	—	3·3	31
18	—	—	—	...	...	...	·5	1·0	1·0	1·0	·8	·7	·9	...	...	—	—	—	5·9	56
19	—	—	—	...	·2	·7	·9	·9	·3	·7	·5	·6	·1	...	...	—	—	—	4·9	47
20	-	—	—	...	...	1·0	1·0	1·0	1·0	·9	·5	·6	·9	·5	...	—	—	—	7·4	72
21	—	—	—	...	...	...	...	...	·2	·9	·7	...	·1	...	...	—	—	—	1·9	18
22	—	—	—	...	...	1·0	1·0	1·0	1·0	1·0	·8	·5	·1	...	...	—	—	—	6·4	63
23	—	—	-	...	...	·8	1·0	1·0	·6	...	...	...	...	...	...	—	—	—	3·4	33
24	—	—	—	—	...	...	...	...	...	...	·3	·5	...	...	—	—	—	—	0·8	8
25	—	—	—	—	...	...	·2	...	...	...	·3	·1	...	...	—	—	—	—	0·6	6
26	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
27	—	—	—	—	...	1·0	1·0	1·0	1·0	1·0	1·0	·9	·7	·3	—	—	—	—	7·9	80
28	-	-	—	—	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	—	—	—	—	8·3	84
29	—	-	—	—	...	·8	1·0	1·0	1·0	·9	1·0	·2	...	...	—	—	—	—	5·9	60
30	-	—	-	-	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	—	—	—	—	8·0	82
31	-	-	—	—	...	·4	·4	...	...	...	...	...	...	...	—	...	—	—	0·8	8
Sum	-	—	—	...	1·9	13·6	16·3	16·9	17·1	17·3	16·7	14·7	11·4	5·6	...	—	—	—	131·5	—
Mean.	-	—	—	...	0·06	0·44	0·53	0·55	0·55	0·56	0·54	0·47	0·37	0·18	...	—	—	—	4·24	40

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16	16 to 17.	17 to 18	18 to 19.	19 to 20	20 to 21.	Total for Day.	Per cent of Possible.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

339. Cahirciveen (Valencia Observatory) : h_s (height of recorder above ground) = 12·8 metres.

November, 1922

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	h.r	hr.	hr.	hr.	hr.	%
1	—	—	—	—	...	...	·7	·5	·6	·5	·7	·3	·7	...	—	—	—	—	4·0	42
2	—	—	—	—	...	...	1·0	1·0	·1	·1	·2	...	...	...	—	—	—	—	2·4	25
3	—	—	—	—	...	·2	·9	·8	·8	·1	·2	...	...	...	—	—	—	—	3·0	32
4	—	—	—	—	...	·2	·4	·2	·8	1·0	1·0	·9	·6	...	—	—	—	—	5·1	54
5	—	—	—	—	...	...	...	...	...	...	·1	...	...	...	—	—	—	—	0·1	1
6	—	—	—	—	...	...	·1	·2	·6	·7	·4	·1	...	...	—	—	—	—	2·1	23
7	—	—	—	—	...	...	·5	·6	·7	·2	...	...	...	...	—	—	—	—	2·0	22
8	—	—	—	—	...	...	·1	·5	·2	·7	1·0	·6	...	...	—	—	—	—	3·1	34
9	—	—	—	—	...	...	...	·1	...	...	...	...	...	...	—	—	—	—	0·1	1
10	—	—	—	—	...	...	·1	·7	·3	...	...	·2	·1	...	—	—	—	—	1·4	15
11	—	—	—	—	...	·1	·2	·4	·1	·3	·1	...	...	...	—	—	—	—	1·2	13
12	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
13	—	—	—	—	...	...	..	...	...	...	...	...	...	...	—	—	—	—	...	...
14	—	—	—	—	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	—	—	—	—	**6·8**	**77**
15	—	—	—	—	...	·4	1·0	1·0	·8	·2	...	...	...	...	—	—	—	—	3·4	39
16	—	—	—	—	...	·3	·7	·2	...	...	...	...	...	...	—	—	—	—	1·2	14
17	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
18	—	—	—	—	...	...	·1	·1	·4	·2	·7	·5	...	...	—	—	—	—	2·0	23
19	—	—	—	—	...	...	...	...	...	...	...	...	·2	...	—	—	—	—	0·2	2
20	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
21	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
22	—	—	—	—	...	...	...	·1	·9	...	·3	...	...	...	—	—	—	—	1·3	15
23	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
24	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
25	—	—	—	—	...	...	...	...	·8	·2	·2	·2	...	...	—	—	—	—	1·4	17
26	—	—	—	—	...	...	...	·1	·1	·1	...	...	...	...	—	—	—	—	0·3	4
27	—	—	—	—	...	...	...	...	...	...	·2	·4	·1	...	—	—	—	—	0·7	9
28	—	—	—	—	...	...	...	·3	...	...	...	...	...	...	—	—	—	—	0·3	4
29	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
30	—	—	—	—	—	...	...	...	...	...	·1	...	...	—	—	—	—	—	0·1	1
Sum.	—	—	—	—	...	1·5	6·8	7·8	**8·2**	5·3	6·2	4·2	2·2	...	—	—	—	—	42·2	—
Mean.	—	—	—	—	...	0·05	0·23	0·26	**0·27**	0·18	0·21	0·14	0·07	...	—	—	—	—	1·41	16

340. Cahirciveen (Valencia Observatory) : h_s = 12·8 metres. **December, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
2	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
3	—	—	—	—	—	...	...	...	·3	·3	...	·2	...	—	—	—	—	—	0·8	10
4	—	—	—	—	—	...	...	...	...	·4	·2	·2	...	—	—	—	—	—	0·8	10
5	—	—	—	—	—	...	...	·1	...	...	...	...	...	—	—	—	—	—	0·1	1
6	—	—	—	—	—	...	·2	1·0	1·0	1·0	·7	...	...	—	—	—	—	—	**3·9**	**49**
7	—	—	—	—	—	...	...	...	...	·2	·1	...	...	—	—	—	—	—	0·3	4
8	—	—	—	—	—	...	...	...	...	...	·1	·1	...	—	—	—	—	—	0·2	3
9	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
10	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
11	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
12	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
13	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
14	—	—	—	—	—	...	...	...	·2	·6	·2	·4	...	—	—	—	—	—	1·4	18
15	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
16	—	—	—	—	—	...	...	·1	·1	...	...	·1	...	—	—	—	—	—	0·3	4
17	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
18	—	—	—	—	—	...	...	...	·2	...	...	...	...	—	—	—	—	—	0·2	3
19	—	—	—	—	—	...	...	...	·3	·3	...	·2	...	—	—	—	—	—	0·8	10
20	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
21	—	—	—	—	—	...	...	...	·5	1·0	·8	...	...	—	—	—	—	—	2·3	30
22	—	—	—	—	—	...	...	...	·2	...	...	...	...	—	—	—	—	—	0·2	3
23	—	—	—	—	—	...	·1	·9	·5	·7	·4	·1	...	—	—	—	—	—	2·7	35
24	—	—	—	—	—	...	·4	·5	·8	·3	...	...	...	—	—	—	—	—	2·0	26
25	—	—	—	—	—	...	·5	·7	·2	·2	...	...	...	—	—	—	—	—	1·6	21
26	—	—	—	—	—	...	·6	·2	·9	·1	·1	·1	...	—	—	—	—	—	2·0	26
27	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
28	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
29	—	—	—	—	—	...	...	·6	·6	...	...	...	...	—	—	—	—	—	1·2	15
30	—	—	—	—	—	...	...	·2	·5	·1	·7	·4	...	—	—	—	—	—	1·9	24
31	—	—	—	—	—	...	·6	·5	·8	·2	·5	1·0	·2	—	—	—	—	—	3·8	**49**
Sum.	—	—	—	—	—	...	2·4	4·8	7·1	5·4	3·8	2·8	0·2	—	—	—	—	—	26·5	—
Mean.	—	—	—	—	—	...	0·08	0·15	0·23	0·17	0·12	0·09	0·01	—	—	—	—	—	0·85	11
Annual Total.	—	5·9	18·4	30·8	55·3	86·6	105·1	121·6	134·6	**140·4**	136·7	130·6	104·4	85·1	59·3	29·0	8·1	—	1251·9	—
Annual Mean.	—	·02	·05	·08	·15	·24	·29	·33	·37	**·38**	·37	·36	·29	·23	·16	·08	·02	—	3·43	28
Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°): Speed in metres per second.

341. Cahirciveen (Valencia Observatory): H_a (height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.		m/s.		m/s.
1	225	7·5	235	8·5	235	9·5	235	9·2	235	9·5	235	11·1	240	12·5	240	12·8	240	12·8	245	13·4	250	11·5	240	11·1
2	230	14·1	235	14·1	135	15·4	240	15·7	240	13·8	240	13·8	245	13·1	250	12·5	255	10·5	270	8·5	265	8·2	280	10·8
3	340	7·2	340	8·5	335	7·9	325	8·9	320	8·9	305	8·9	305	10·2	305	8·2	300	9·2	300	10·5	310	10·5	315	11·8
4	355	11·8	360	11·1	5	9·2	5	9·2	360	9·8	360	8·9	10	7·5	360	7·9	360	8·5	355	7·2	340	8·2	345	8·2
5	10	7·5	10	7·9	360	6·2	10	6·6	5	5·2	10	5·6	15	5·6	20	4·6	40	2·6	60	1·6	50	2·0	15	2·3
6	290	6·6	300	6·2	290	6·2	285	7·9	280	8·2	320	3·9	325	4·3	310	4·3	300	4·3	290	6·6	310	4·9	295	5·2
7	280	5·6	280	6·6	290	5·6	290	5·2	290	4·6	290	3·3	—	1·3	270	2·0	255	2·0	240	2·3	200	3·0	190	3·6
8	220	11·5	240	11·8	245	10·5	250	11·5	255	9·5	255	8·9	255	8·2	250	7·5	250	5·9	245	5·9	240	4·3	245	6·2
9	225	11·8	220	11·8	225	12·5	220	11·1	220	11·8	220	12·5	220	12·8	220	12·1	220	13·8	220	13·4	210	12·8	210	12·1
10	270	4·9	265	3·6	265	4·3	275	3·6	275	2·6	270	5·6	270	4·6	270	5·6	260	6·6	255	4·9	280	8·9	285	8·5
11	280	2·3	285	2·6	285	3·3	285	2·6	285	2·3	285	1·6	285	2·3	285	2·0	285	2·6	—	1·3	—	1·0	290	2·0
12	80	2·3	80	1·6	100	4·3	105	3·0	—	1·3	—	1·0	—	1·0	100	1·6	105	3·0	125	4·3	140	4·9	150	5·9
13	155	9·8	160	8·9	215	5·2	285	3·3	325	4·9	345	9·2	345	8·5	340	9·5	340	9·2	340	10·2	335	11·8	335	11·5
14	335	7·2	330	7·5	330	7·9	340	6·6	355	6·2	355	7·2	350	8·2	350	6·6	350	5·6	360	5·6	20	4·3	20	3·3
15	170	5·6	170	6·6	175	6·6	175	6·6	175	6·9	175	7·5	180	7·2	235	13·4	270	10·2	250	13·8	290	15·1	280	16·1
16	305	10·2	300	12·5	275	11·5	270	11·5	300	10·8	295	9·5	300	10·5	310	9·5	325	7·5	310	6·2	335	7·2	325	3·3
17	345	6·9	315	7·9	305	8·2	295	7·5	295	7·2	310	5·2	315	7·9	320	8·5	315	6·6	355	4·9	345	5·6	330	5·6
18	180	8·2	200	9·5	225	10·8	260	11·1	255	10·8	250	11·8	250	10·8	250	9·5	250	8·2	240	4·3	195	3·0	185	3·3
19	275	1·6	190	3·0	265	5·6	275	3·0	190	2·3	165	1·6	155	2·6	195	6·2	230	9·2	210	7·5	220	6·5	205	3·9
20	165	4·3	160	3·0	60	2·6	55	3·0	55	3·0	55	2·3	55	3·0	55	2·3	55	2·0	—	1·3	—	1·0	155	3·3
21	175	12·1	175	11·8	175	11·8	175	12·1	200	10·2	230	11·5	230	12·5	225	11·5	225	12·8	220	11·8	210	12·1	215	12·1
22	175	6·2	170	5·9	170	6·9	165	8·2	165	9·2	165	9·5	165	10·8	160	11·1	160	13·1	155	13·1	155	13·4	155	14·4
23	140	12·5	145	15·4	145	14·1	150	15·4	145	14·1	140	12·5	135	12·1	130	13·1	130	12·8	130	14·1	130	13·8	135	13·4
24	110	11·1	110	11·5	110	11·5	110	12·8	105	11·8	100	11·8	100	10·8	100	8·9	105	10·2	100	7·9	95	7·9	100	10·8
25	80	9·5	80	10·5	80	9·8	75	12·5	75	12·5	80	12·1	80	12·1	90	15·1	90	13·4	85	11·1	75	9·5	80	10·2
26	130	10·5	135	11·5	150	10·8	155	9·2	170	7·9	175	6·9	180	4·6	180	3·9	180	3·6	170	3·9	170	4·3	170	5·2
27	130	6·9	120	6·2	120	6·9	125	6·9	115	6·6	110	9·5	110	9·8	105	12·5	105	13·1	105	12·1	105	13·8	110	12·8
28	150	3·3	165	4·3	175	4·9	175	5·2	200	4·3	210	5·9	200	6·2	220	7·5	215	9·5	205	11·1	200	9·2	195	9·5
29	235	11·8	230	8·9	230	7·9	230	5·9	215	3·9	190	4·3	190	4·6	195	3·9	170	5·6	165	6·2	180	4·6	155	6·9
30	165	5·2	175	4·6	160	5·2	150	6·6	165	5·2	165	5·2	150	5·9	155	7·2	140	9·2	150	7·9	170	8·5	175	7·9
31	185	3·3	180	3·3	195	3·3	235	2·6	230	3·6	265	3·9	245	4·6	250	4·9	255	4·9	250	6·2	255	8·2	270	9·2
Mean ...	—	7·7	—	8·0	—	7·9	—	7·9	—	7·4	—	7·5	—	7·6	—	7·9	—	8·0	—	7·7	—	7·7	—	8·1

342. Cahirciveen (Valencia Observatory): H_a = 12 metres + 14 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	265	7·9	270	7·5	280	6·6	270	4·6	275	3·9	230	2·6	230	2·3	220	1·6	215	2·3	165	3·0	170	4·6	160	5·2
2	190	4·9	190	6·2	200	5·9	195	5·9	190	7·2	190	7·9	190	7·5	195	7·9	195	8·5	210	8·5	195	8·5	185	7·5
3	235	10·8	240	15·4	240	15·1	240	14·8	240	15·1	240	14·8	235	14·4	240	13·8	240	15·1	240	14·8	240	12·5	240	15·7
4	285	14·4	280	14·1	285	13·1	290	12·5	290	11·5	300	10·5	300	9·5	300	9·5	300	7·5	300	7·9	300	6·6	310	8·2
5	25	3·3	—	1·3	65	2·3	45	2·0	20	2·0	—	1·0	60	3·0	—	1·0	—	0·7	105	1·6	—	1·0	—	0·3
6	155	6·9	150	7·2	150	6·9	160	6·9	170	7·9	170	8·5	170	8·5	175	7·5	175	7·9	175	8·2	175	8·5	170	8·5
7	175	9·8	175	8·9	175	10·5	175	9·8	175	7·5	175	7·4	165	9·0	165	9·6	165	10·6	165	9·8	165	10·0	165	14·4
8	—	0·7	—	0·7	—	1·3	—	1·0	—	1·3	—	0·7	—	0·0	—	0·3	—	0·3	—	0·3	—	1·3	95	2·3
9	125	5·6	110	6·9	105	5·2	105	4·3	100	4·3	95	4·3	120	5·6	125	3·9	110	4·3	105	3·9	100	5·6	125	6·6
10	155	2·0	145	3·6	140	3·9	115	3·9	125	3·0	—	1·0	80	1·6	140	4·3	145	3·9	150	5·6	150	5·6	155	6·9
11	165	6·9	160	6·2	160	6·9	155	7·5	155	8·2	160	7·9	160	7·5	165	6·6	160	6·9	160	7·2	155	5·6	160	6·2
12	125	5·6	130	5·2	150	4·9	155	4·6	150	2·3	150	2·0	140	2·3	350	5·6	355	5·2	340	4·9	340	5·9	340	6·9
13	350	4·6	345	5·6	305	7·9	310	8·5	320	7·9	340	7·9	345	7·2	340	5·9	330	3·9	330	5·6	320	5·2	310	5·6
14	65	2·3	70	1·6	95	2·0	85	2·0	85	1·6	130	2·3	145	4·3	145	4·9	135	4·9	145	5·6	150	6·2	160	6·9
15	255	3·9	260	3·6	260	2·3	265	3·9	270	3·0	270	3·3	265	3·0	250	1·6	200	3·3	190	3·9	190	3·6	190	4·9
16	230	3·0	240	4·0	240	4·3	250	3·9	215	1·0	200	2·0	225	3·0	275	1·0	245	1·0	260	2·3	245	2·0	—	0·3
17	205	3·0	165	3·6	165	4·6	205	5·2	200	4·3	280	12·5	300	8·5	285	11·1	280	11·8	270	10·5	250	12·1	250	10·8
18	270	9·5	255	8·5	260	9·2	260	8·5	300	5·6	260	5·6	255	3·6	280	2·6	—	1·0	45	1·6	—	1·3	270	2·3
19	240	10·5	235	8·9	230	7·2	215	5·9	225	5·9	225	6·6	225	7·2	220	8·2	220	8·2	220	10·2	230	12·8	250	11·1
20	255	13·8	250	13·8	275	14·1	260	11·8	260	11·5	265	11·8	265	9·5	245	10·5	240	10·5	240	9·2	235	8·5	215	5·9
21	215	6·6	240	13·1	255	10·8	255	14·4	250	5·2	240	8·9	240	8·5	230	6·2	220	5·2	230	7·5	230	10·8	230	11·5
22	255	15·4	250	13·8	245	15·4	245	15·4	260	11·1	240	6·2	240	7·9	235	6·9	230	4·6	190	4·6	225	7·9	230	7·2
23	240	7·5	235	5·9	230	5·9	230	7·2	230	6·2	235	4·3	205	3·9	190	4·9	185	5·6	185	6·6	185	7·9	185	6·6
24	175	8·5	175	8·9	175	9·5	175	9·8	175	9·2	175	10·2	175	10·8	175	11·8	175	12·5	175	14·1	175	12·8	175	13·1
25	210	2·3	185	2·6	210	2·0	210	2·0	195	2·6	230	3·3	—	1·0	—	0·3	—	0·0	—	0·3	245	3·0	255	3·3
26	175	12·1	185	9·5	205	9·5	220	9·2	230	10·5	230	9·2	230	7·5	230	5·2	215	5·6	210	6·6	230	7·5	230	9·3
27	220	7·2	210	7·2	190	7·9	210	7·2	205	9·5	195	7·5	190	8·2	185	8·2	220	11·5	220	9·8	225	11·1	235	10·3
28	210	9·2	225	10·5	235	14·8	230	13·8	230	12·8	230	13·8	230	12·5	230	13·8	225	11·5	210	11·5	210	10·2	220	10·8
Mean ...	—	7·1	—	7·3	—	7·5	—	7·4	—	6·5	—	6·6	—	6·3	—	6·3	—	6·2	—	6·6			—	7·5
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

Averages for periods of sixty minutes centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 12 metres + 14 metres.

January, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s	
240	13·1	235	12·8	235	13·1	240	15·1	240	14·8	240	14·8	240	14·4	240	14·4	230	12·5	230	13·1	235	13·1	235	14·8	**12·2**	1
280	10·8	290	10·2	290	8·9	310	7·5	340	6·6	360	7·5	360	5·6	360	6·6	360	6·9	350	8·2	350	7·9	340	7·5	10·3	2
335	9·8	335	10·5	340	11·1	340	10·2	340	10·5	350	10·5	350	10·5	340	11·5	355	12·5	355	11·8	355	11·5	355	12·1	10·0	3
340	9·2	345	9·8	345	10·5	350	9·8	345	10·5	350	11·8	350	9·8	355	9·8	10	7·5	10	8·9	10	8·2	10	7·5	9·3	4
355	3·6	350	3·9	345	4·6	345	4·3	345	2·6	325	4·9	310	7·5	310	7·2	310	6·9	310	4·9	300	4·3	290	7·2	5·0	5
300	5·2	295	3·9	290	3·9	290	3·9	285	4·6	285	3·6	280	3·9	260	5·2	245	7·5	250	6·9	260	5·2	280	5·6	5·4	6
190	3·6	190	4·6	190	4·3	190	4·6	190	4·9	190	5·9	185	6·6	180	7·2	190	7·5	185	7·5	195	8·9	205	9·8	4·9	7
240	6·6	240	6·6	240	4·6	240	5·6	250	5·6	230	3·0	190	4·3	175	6·2	210	9·2	225	10·5	220	9·8	225	11·5	7·7	8
210	12·8	275	6·9	290	3·6	270	5·2	280	6·2	290	4·9	290	5·9	285	5·6	280	4·6	270	5·2	270	4·3	270	3·9	9·2	9
285	7·2	280	8·5	280	7·5	285	6·6	285	7·9	285	5·2	290	4·6	290	5·2	285	5·6	280	3·9	275	5·6	280	5·2	5·7	10
305	4·6	325	5·6	340	5·6	360	6·2	360	6·2	10	4·3	25	4·6	40	4·9	45	5·6	60	4·9	70	3·9	75	3·3	**3·6**	11
155	6·6	150	7·5	160	7·5	175	8·2	165	8·5	170	8·5	165	9·2	150	9·5	155	9·8	165	9·8	160	10·8	160	10·2	5·7	12
340	12·5	345	10·2	345	9·2	350	9·8	10	8·2	10	6·6	340	8·5	350	7·9	350	7·5	345	6·6	335	7·5	335	7·2	8·6	13
25	2·6	25	2·6	—	1·3	—	1·0	—	0·3	—	0·7	—	0·3	—	0·7	125	3·0	150	4·9	160	6·6	165	6·6	4·5	14
280	10·1	270	10·1	280	14·4	285	10·1	290	13·4	285	14·8	285	14·1	285	15·4	290	13·8	290	12·8	280	11·8	305	11·5	11·8	15
285	7·5	290	7·2	300	8·2	300	6·6	310	6·6	305	7·9	300	6·9	15	5·9	10	4·3	360	2·0	320	6·9	310	6·6	7·5	16
320	5·6	295	3·3	285	3·6	240	3·6	195	3·3	185	3·9	180	5·2	175	5·9	175	7·9	175	6·9	185	7·2	180	8·9	6·1	17
220	3·0	240	4·9	270	2·6	235	2·6	240	1·6	320	2·3	50	2·6	220	2·6	245	2·3	245	2·0	260	4·9	275	6·6	5·9	18
210	5·2	210	4·6	240	7·5	245	5·9	215	6·2	220	5·6	190	4·3	170	3·9	230	5·2	165	3·0	210	6·2	200	5·9	4·9	19
150	7·2	135	8·2	155	7·9	150	9·8	145	9·5	150	14·4	145	15·4	140	15·4	135	15·1	150	11·5	175	9·2	180	9·2	6·8	20
210	10·8	220	10·8	225	10·5	210	9·2	205	6·9	190	5·2	185	5·2	200	4·3	180	5·2	175	4·9	175	4·9	175	4·3	9·5	21
155	15·4	155	15·7	155	15·1	155	14·4	155	15·1	155	14·4	160	14·1	155	14·4	145	14·8	145	14·4	145	13·4	145	12·5	12·1	22
130	13·1	125	15·1	120	10·5	110	10·8	115	9·8	115	10·8	110	11·1	95	8·5	95	8·5	115	11·1	120	10·2	110	9·5	**12·2**	23
95	9·5	90	9·2	90	9·2	90	8·2	85	8·5	90	7·9	100	11·1	95	8·5	85	6·9	85	7·9	90	7·2	95	9·5	9·6	24
95	13·4	90	10·2	80	7·9	115	3·6	165	3·0	165	3·9	160	4·3	150	4·3	145	6·6	130	6·6	110	7·2	120	8·9	9·1	25
160	5·9	160	5·6	160	6·6	150	6·6	150	8·5	170	6·6	170	3·6	150	8·2	145	7·2	145	6·6	135	7·2	130	7·5	6·8	26
110	10·5	110	10·8	105	10·5	105	12·1	105	9·5	100	9·2	90	9·5	90	7·9	65	6·2	65	7·2	80	2·6	140	1·0	9·1	27
190	9·8	185	9·8	185	7·9	185	7·5	190	6·2	195	4·6	190	5·2	225	5·9	225	6·2	225	6·6	235	8·5	230	10·2	6·9	28
140	4·3	150	3·9	165	5·6	165	5·2	165	4·9	165	5·6	165	4·6	170	3·9	180	3·9	180	4·3	180	5·2	180	4·3	5·5	29
190	7·9	235	9·5	250	11·5	240	9·2	240	9·8	240	6·9	225	3·6	210	3·0	190	3·3	190	3·0	190	3·6	190	3·3	6·4	30
290	12·1	305	12·8	315	12·8	310	13·1	310	12·5	305	11·1	305	9·8	300	8·5	300	7·5	290	7·5	285	7·9	285	7·2	7·5	31
—	**8·6**	—	8·4	—	8·0	—	7·8	—	7·5	—	7·3	—	7·3	—	7·4	—	7·5	—	**7·3**	—	7·5	—	7·7	7·7	

February, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
150	6·9	155	7·2	155	8·2	160	7·5	160	7·5	155	10·2	150	10·8	150	11·1	150	10·5	165	8·9	180	5·6	190	5·2	6·4	1
200	7·9	200	9·5	205	9·8	215	12·1	225	11·5	225	11·8	230	11·8	235	14·8	235	15·7	235	16·1	240	12·8	235	10·5	9·5	2
245	16·1	255	14·1	260	14·4	270	14·8	270	15·7	275	15·4	275	14·8	275	13·4	280	16·1	280	15·4	280	15·7	285	15·7	**14·6**	3
320	6·6	310	8·2	330	6·6	350	6·2	340	6·9	345	6·6	350	5·6	355	5·2	5	4·6	10	4·9	15	3·6	360	3·3	8·3	4
—	1·3	—	0·7	—	0·3	120	2·0	150	2·6	150	3·3	150	5·6	150	5·6	150	5·2	140	6·6	145	5·9	145	5·9	2·6	5
170	9·8	170	9·8	170	9·8	170	9·8	170	9·8	175	9·5	175	8·2	175	8·5	175	9·8	170	9·8	170	9·2	170	9·8	8·6	6
165	12·8	160	12·8	165	13·1	170	12·5	175	11·1	175	10·8	175	9·8	175	9·8	180	8·2	210	3·0	—	1·0	—	0·7	9·5	7
—	1·3	60	2·0	—	1·0	70	2·6	85	3·9	150	5·6	150	6·6	140	5·9	145	6·2	135	6·6	130	6·2	120	5·6	2·6	8
120	4·9	135	6·2	130	4·9	120	4·9	130	3·9	100	3·6	115	3·6	120	3·3	120	3·9	120	3·3	120	3·3	130	4·3	3·8	9
170	7·2	175	6·6	170	6·6	170	6·6	165	7·2	165	6·2	155	6·6	155	5·2	150	4·6	155	6·2	160	6·9	160	7·5	5·0	10
165	5·9	165	4·6	160	5·9	160	4·9	155	4·9	160	5·2	140	6·6	140	5·2	135	6·2	145	6·6	135	5·9	125	5·6	6·3	11
350	7·5	350	7·9	335	10·5	335	10·8	335	10·2	340	8·9	340	8·9	360	7·5	10	7·5	325	8·9	340	7·5	320	6·2	6·6	12
310	4·6	290	5·2	280	4·3	300	3·6	295	3·6	275	2·0	200	2·3	195	2·3	75	2·0	70	1·6	70	1·6	105	2·3	4·7	13
160	7·5	165	7·5	165	7·2	165	6·9	165	7·9	165	7·9	165	7·2	165	6·9	210	4·6	225	4·9	230	4·6	250	5·2	5·1	14
200	4·9	190	4 3	200	5·2	200	5·6	180	5·2	180	5·6	180	5·2	180	6·6	180	6·2	185	5·9	190	5·6	215	6·9	4·4	15
—	0·7	230	3·0	230	3·0	200	2·3	190	3·0	—	0·7	—	1·3	225	1·6	—	1·3	180	2·3	250	2·0	—	1·0	**2·3**	16
250	9·2	250	7·5	250	4·6	245	7·2	230	7·5	230	9·2	245	9·8	260	9·5	235	9·2	290	8·9	290	9·8	280	8·9	8·1	17
265	4·9	260	5·6	255	4·6	240	3·0	220	3·3	225	3·3	200	3·0	195	3·6	235	5·6	240	6·2	235	6·9	240	11·5	5·0	18
255	15·4	255	18·0	255	16·4	255	15·7	250	16·1	250	13·1	250	14·1	270	13·4	270	14·8	270	15·7	270	12·5	260	13·1	11·7	19
205	6·6	200	8·5	210	9·8	225	11·1	215	6·2	185	5·6	195	5·6	170	4·6	200	6·2	215	5·2	220	5·6	205	4·6	8·9	20
235	10·8	270	4·3	220	7·2	215	8·2	200	7·9	215	11·8	220	9·2	225	11·8	230	13·1	235	13·4	245	16·1	240	12·5	9·6	21
215	4·9	230	12·1	235	12·5	235	10·2	225	10·2	220	10·2	205	9·8	205	10·2	205	10·5	205	11·1	225	11·8	235	9·2	10·0	22
195	7·5	200	6·6	200	6·6	190	6·6	175	6·2	170	6·9	175	7·9	180	8·2	180	7·9	185	8·2	175	8·2	175	9·2	6·8	23
175	13·1	175	12·1	175	13·1	175	13·4	175	12·5	175	12·8	195	8·2	185	7·2	175	12·1	175	12·8	200	9·8	235	3·3	11·0	24
280	5·9	265	2·6	200	3·6	190	5·9	185	6·2	175	6·2	175	7·2	175	9·2	175	10·5	170	11·8	170	12·1	175	12·8	4·7	25
225	10·2	235	13·4	235	14·8	240	14·4	235	11·1	230	8·2	205	6·9	245	9·8	230	9·2	230	7·2	260	7·9	235	4·3	9·3	26
225	12·5	230	12·8	230	12·1	230	8·2	220	6·9	205	5·9	220	7·2	205	5·6	215	5·6	240	6·6	210	4·3	210	9·5	8·3	27
220	10·2	220	9·8	225	8·2	210	6·9	215	6·9	215	6·2	190	3·9	200	4·6	195	3·0	195	3·0	190	3·9	180	3·6	9·1	28
—	7·8	—	8·0	—	**8·0**	—	8·0	—	7·7	—	7·0	—	7·4	—	7·5	—	7·9	—	7·9	—	7·4	—	7·1	7·2	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

343. Cahirciveen (Valencia Observatory) : H_a (height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	180	3·0	180	2·0	115	1·6	90	1·6	85	2·6	75	2·0	—	1·3	—	0·7	—	0·7	290	3·3	265	6·2	250	9·8
2	255	8·9	260	10·5	255	9·8	250	6·9	250	7·5	270	2·3	220	3·0	195	2·3	160	3·3	155	5·6	170	7·2	170	8·2
3	180	8·9	180	9·2	190	9·2	190	7·5	210	7·9	230	3·3	225	3·3	210	3·0	190	3·9	190	4·9	180	5·6	205	3·9
4	235	8·2	235	7·9	230	5·2	245	9·5	235	6·9	235	4·6	235	6·9	245	6·9	235	7·2	240	8·5	240	6·2	220	5·9
5	180	12·5	180	11·5	190	12·1	200	8·2	190	6·9	180	7·2	185	6·6	195	7·2	205	5·2	195	6·9	210	7·2	230	8·9
6	230	6·6	215	7·2	200	5·9	185	5·9	180	6·2	185	7·9	180	7·5	195	7·9	190	7·2	190	5·6	180	5·2	180	3·9
7	270	6·2	220	3·6	260	6·2	250	7·9	240	6·2	235	5·6	235	5·6	230	8·5	230	8·9	245	10·8	235	11·1	240	10·5
8	355	5·2	5	5·9	360	5·2	335	9·8	335	8·9	325	10·8	320	11·1	310	9·5	300	11·8	300	11·5	290	11·5	290	11·5
9	275	9·2	280	8·2	275	9·8	295	7·9	340	7·5	20	3·6	355	6·9	355	7·5	350	7·5	340	7·9	335	9·8	345	9·2
10	20	11·8	35	8·5	25	7·5	35	7·2	40	7·2	35	8·5	25	5·9	25	5·6	50	2·6	40	3·6	25	4·6	20	5·6
11	330	2·6	330	2·6	—	1·3	300	2·0	—	0·7	—	0·3	—	0·3	—	1·3	305	3·0	330	3·9	330	3·6	330	4·3
12	15	3·3	15	3·3	10	4·3	35	1·6	35	2·0	25	3·3	50	3·0	35	3·6	40	3·3	40	3·3	50	6·2	45	5·6
13	90	1·6	—	0·3	—	1·3	50	3·3	60	3·6	—	1·0	60	2·3	45	2·6	80	9·2	65	11·5	60	9·5	60	8·2
14	—	0·7	—	1·3	80	1·6	75	1·6	—	0·7	145	2·3	—	0·7	—	0·3	—	0·7	—	0·7	—	1·0	260	2·0
15	110	4·3	—	1·3	105	4·6	80	4·3	80	2·6	105	3·9	95	3·3	90	5·6	80	4·6	80	4·6	90	4·9	105	8·9
16	100	5·2	95	4·9	60	2·3	85	2·3	50	2·0	—	1·3	40	3·6	80	4·6	65	2·0	100	1·6	110	7·2	125	7·9
17	70	3·6	55	4·6	90	9·8	95	10·5	80	8·9	100	10·2	105	11·5	100	9·8	110	5·9	110	5·6	105	9·2	105	7·2
18	115	7·2	115	7·2	100	6·2	90	4·3	105	3·3	70	2·0	90	2·3	110	3·3	100	3·6	95	4·3	100	3·3	85	2·0
19	80	4·9	65	3·9	75	6·2	60	3·6	70	3·0	—	1·3	—	1·0	—	0·7	—	1·3	75	4·6	65	7·5	60	4·3
20	25	12·8	15	7·9	15	9·5	25	6·9	20	10·5	40	8·9	60	4·6	50	5·6	50	5·6	45	6·9	35	8·2	40	7·2
21	30	7·2	35	7·5	40	7·2	35	8·2	40	7·2	50	3·6	50	3·9	40	5·2	45	6·6	35	8·5	35	7·5	30	8·9
22	—	0·3	65	1·6	65	3·6	65	4·3	65	5·6	75	3·6	75	3·9	75	3·6	75	3·9	—	1·0	20	5·6	20	5·9
23	—	0·7	—	0·3	—	1·0	95	2·0	—	0·7	—	0·7	—	0·7	—	0·0	—	0·3	—	0·0	—	0·7	315	3·3
24	200	2·6	220	5·2	225	6·6	215	3·9	230	6·6	220	6·2	250	10·5	285	9·8	295	8·2	310	8·2	310	8·5	310	12·1
25	295	11·8	295	11·5	300	13·1	310	11·1	305	13·4	310	13·8	315	13·8	310	13·1	305	13·1	310	11·8	305	12·5	305	12·1
26	355	11·1	355	10·8	355	9·2	355	8·5	360	8·5	10	6·6	15	7·2	5	10·2	5	10·5	355	8·9	340	10·8	340	8·5
27	335	7·5	5	3·9	340	5·2	320	5·9	335	5·9	340	7·9	340	9·5	5	9·2	15	11·1	10	9·8	10	9·5	15	9·2
28	15	7·9	20	5·2	20	4·9	15	4·6	15	4·6	15	3·9	10	4·9	5	4·9	5	3·9	345	2·0	25	5·6	10	3·9
29	115	3·0	115	2·3	115	3·3	115	3·6	115	3·6	120	4·3	115	5·2	110	3·9	90	3·3	110	1·6	100	2·6	165	3·9
30	115	4·3	125	4·6	130	4·3	135	4·9	130	5·2	120	4·6	125	4·9	125	4·9	130	4·6	130	5·9	145	5·2	145	5·2
31	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	110	3·3	85	2·6	30	4·3	40	5·2	55	4·9	45	4·6	40	5·9
Mean ...	—	5·9	—	5·3	—	5·7	—	5·5	—	5·4	—	**4·8**	—	5·1	—	5·3	—	5·4	—	5·7	—	6·7	—	6·9

344. Cahirciveen (Valencia Observatory) : H_a = 12 metres + 14 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	60	10·5	65	7·9	70	7·9	75	7·5	60	6·9	65	6·2	65	5·6	65	5·6	65	6·9	70	6·9	70	6·9	65	6·6
2	100	3·9	95	3·9	95	5·6	95	6·2	100	4·6	95	4·9	100	4·6	90	4·9	80	6·2	75	6·2	80	6·9	90	8·9
3	70	9·8	70	8·5	75	6·9	75	6·9	75	7·9	75	8·2	65	9·2	70	9·8	70	7·5	40	10·8	40	9·2	40	11·1
4	—	0·0	—	0·7	40	1·6	—	1·0	40	1·6	—	1·3	—	0·0	—	0·7	—	1·3	345	1·6	290	4·3	255	2·0
5	180	3·3	175	3·6	175	3·0	175	1·6	—	1·0	—	1·3	—	1·3	—	1·0	—	0·7	—	0·3	280	2·6	290	5·9
6	—	0·3	—	1·0	—	1·0	—	0·7	—	0·3	—	1·3	—	0·7	230	1·6	85	2·0	—	0·7	—	0·7	—	0·7
7	90	5·2	90	4·9	90	3·9	80	4·9	85	4·6	80	2·6	70	3·3	65	4·3	60	6·2	55	6·6	60	6·6	55	6·6
8	360	4·9	335	5·9	325	6·2	335	6·2	330	3·9	310	5·9	320	4·9	300	4·9	310	3·9	310	6·9	315	6·9	305	6·2
9	260	1·6	—	0·3	320	3·6	295	4·9	305	2·0	335	2·0	325	2·3	15	1·6	10	2·3	330	2·6	310	2·0	270	3·3
10	—	0·7	—	1·3	—	0·7	90	1·6	105	2·6	90	1·6	—	0·3	85	2·6	75	4·9	70	4·3	70	3·9	60	3·9
11	—	0·0	—	0·7	—	1·0	—	0·0	—	0·3	—	1·0	—	0·3	—	0·0	—	0·0	—	0·3	140	1·6	155	3·6
12	—	0·0	—	1·3	35	1·6	—	1·0	35	1·6	35	2·3	55	3·0	75	3·9	80	3·9	95	3·3	80	4·3	55	5·6
13	—	1·0	—	0·3	—	0·7	—	1·3	—	0·7	—	1·3	—	0·7	—	0·7	—	0·0	—	0·3	—	0·3	205	1·6
14	65	5·6	65	6·2	65	8·5	65	8·2	60	8·5	60	9·2	65	9·8	65	12·1	65	18·0	65	14·4	75	12·1	90	7·2
15	345	15·4	350	14·4	350	15·4	345	18·4	335	17·7	330	16·4	330	15·4	325	14·4	320	15·1	320	13·4	325	14·1	325	14·4
16	330	12·5	335	12·5	340	11·8	330	12·1	325	12·1	340	10·2	335	9·5	355	10·2	350	10·5	355	7·9	345	9·8	330	11·1
17	360	2·6	15	2·3	—	1·3	—	1·3	—	0·7	—	1·0	—	0·7	—	0·7	350	2·0	335	2·3	305	2·0	270	3·6
18	—	1·0	—	1·3	45	1·6	—	1·3	—	0·7	50	2·0	—	0·3	—	1·0	—	1·3	100	1·6	170	2·3	185	3·0
19	150	5·9	150	6·2	150	4·3	145	4·3	145	5·2	140	5·6	145	5·9	150	6·6	155	7·5	170	8·5	170	7·9	170	8·5
20	345	5·2	350	6·9	355	3·9	10	3·3	20	1·6	15	3·0	5	6·2	355	6·9	360	4·9	10	4·3	20	4·6	20	3·3
21	—	0·7	—	0·0	—	0·3	—	0·3	130	2·0	145	2·6	160	3·3	200	2·6	200	4·9	240	6·2	275	5·6	310	6·6
22	290	5·2	290	5·9	290	3·6	—	1·0	—	0·7	200	2·0	—	1·0	—	1·3	—	1·0	195	2·0	185	3·6	175	5·2
23	305	4·6	310	2·6	280	5·6	280	6·2	280	3·9	280	2·0	255	4·3	240	6·6	250	4·9	260	5·6	260	6·9	255	7·9
24	280	14·1	280	14·4	280	14·1	280	14·4	280	14·4	280	14·8	290	12·5	290	12·5	290	13·1	285	14·1	285	14·1	290	13·4
25	290	8·9	280	8·9	270	9·2	260	9·8	250	9·2	250	8·2	240	6·2	220	4·9	175	5·6	105	11·1	225	11·1	235	13·1
26	295	5·9	300	7·5	290	7·2	285	8·9	295	7·5	320	6·6	315	5·0	330	6·2	315	6·9	305	7·5	285	8·2	310	7·2
27	300	4·9	10	5·6	20	3·0	5	7·5	300	8·5	5	7·5	5	6·6	350	6·2	5	7·9	10	7·0	5	8·9	5	9·2
28	350	5·9	350	5·6	5	6·2	10	6·6	10	6·6	350	6·6	20	5·0	20	5·9	5	7·2	10	7·2	10	8·5	5	7·5
29	—	1·3	—	0·3	—	0·3	—	0·3	—	0·7	—	0·3	—	1·0	310	5·2	345	5·2	355	3·6	15	5·6	15	5·6
30	10	2·3	—	1·3	—	0·3	320	1·6	310	3·6	335	3·3	15	3·3	15	2·0	315	0·9	330	5·0	340	7·5	335	7·5
Mean ...	—	4·8	—	4·7	—	4·7	—	5·0	—	4·7	—	4·7	—	4·5	—	4·9	—	5·0	—	5·8	—	6·3	—	6·7

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

Averages for periods of sixty minutes centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 12 metres + 14 metres.

March, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
255	10·8	260	12·8	265	11·8	280	12·1	285	13·8	290	15·4	285	15·7	280	16·1	280	14·8	275	11·1	285	10·8	260	7·9	7·7	1
170	7·5	165	9·2	165	10·5	165	10·8	170	8·5	175	8·5	175	7·9	180	7·9	180	8·9	180	9·5	180	8·9	180	8·9	7·6	2
185	4·9	175	7·5	175	8·2	175	8·2	175	8·5	175	7·5	175	6·2	175	6·9	185	6·9	200	7·2	205	7·5	220	7·5	6·6	3
230	7·9	220	7·2	210	5·6	200	5·9	180	5·6	175	6·9	175	8·9	175	8·9	175	10·8	175	12·8	175	12·5	175	13·1	7·8	4
235	11·1	235	10·8	230	10·8	235	9·5	230	9·5	230	10·5	230	9·5	235	10·5	230	10·8	230	10·8	230	8·9	230	8·5	9·3	5
220	4·3	225	3·0	220	4·6	230	6·6	260	9·5	285	6·6	280	2·6	270	5·2	260	3·6	250	6·2	245	5·2	245	4·6	5·9	6
235	10·5	235	12·1	235	11·8	240	13·1	245	11·1	245	10·2	245	7·9	255	7·9	260	5·6	285	2·3	285	1·6	300	2·6	7·9	7
290	12·5	290	12·5	285	12·5	285	13·8	265	11·5	280	10·2	280	8·5	280	7·5	300	5·9	290	7·9	290	5·6	275	8·5	9·4	8
350	8·5	350	11·1	340	9·8	345	12·1	355	10·8	5	12·1	5	10·8	10	9·2	25	7·9	20	8·5	20	8·5	20	10·5	8·9	9
15	5·6	355	5·9	340	6·9	345	7·5	350	6·6	350	5·2	10	4·6	350	5·2	350	4·9	5	3·3	5	3·6	10	3·0	6·0	10
335	4·9	335	5·6	335	4·6	335	4·9	345	4·6	355	3·9	360	3·6	360	3·6	10	3·3	20	3·0	20	3·3	15	3·3	3·1	11
40	5·6	45	6·9	30	6·2	20	3·6	15	3·9	345	1·6	335	3·0	60	4·6	65	3·6	25	3·6	70	4·9	90	6·2	4·0	12
75	12·1	75	7·9	55	8·9	65	6·6	55	5·2	80	4·6	110	3·3	75	2·0	60	2·6	75	4·3	90	1·6	—	0·3	4·6	13
100	1·6	120	2·0	—	1·3	110	2·3	135	2·3	130	4·9	105	6·2	—	1·3	—	1·3	—	0·0	130	2·0	110	5·6	**1·7**	14
105	7·5	100	5·6	95	5·6	110	3·6	70	3·3	55	3·0	105	5·2	85	2·3	110	5·6	115	8·5	120	5·9	110	5·6	4·8	15
105	6·2	105	9·5	105	4·3	50	6·2	100	6·9	105	6·6	115	10·8	115	8·2	110	6·6	100	3·3	105	7·5	100	6·6	5·3	16
95	7·9	90	6·6	95	5·9	95	7·5	95	7·2	105	7·2	105	7·5	100	6·9	95	8·9	90	8·9	80	5·9	80	3·6	7·6	17
75	2·0	60	2·6	55	4·6	55	4·3	50	4·6	55	5·2	55	5·2	50	4·9	50	4·3	85	2·3	85	3·6	85	3·6	4·0	18
40	4·9	355	4·9	350	7·9	10	6·9	10	6·2	15	6·2	20	5·9	15	4·6	20	4·9	15	7·2	5	10·5	15	12·1	5·0	19
40	6·9	30	8·9	20	8·9	20	10·2	25	10·8	30	9·2	40	5·9	45	6·2	65	3·3	—	1·3	50	4·6	45	5·6	7·5	20
30	9·2	20	10·5	25	9·8	30	9·2	45	9·5	45	8·9	50	8·5	45	4·6	55	3·0	65	2·6	65	3·0	65	2·3	6·8	21
20	6·9	20	7·2	20	7·2	15	5·6	15	5·9	10	6·2	5	6·6	5	4·9	10	3·3	10	2·3	—	0·3	—	1·0	4·2	22
300	3·0	280	3·9	295	3·9	285	4·6	280	5·2	280	3·6	280	2·3	280	1·6	—	1·3	—	1·3	195	2·3	210	2·6	1·9	23
315	10·8	315	11·8	315	10·2	310	9·5	290	9·8	290	10·5	290	11·5	305	9·5	305	11·5	295	11·1	305	11·1	305	10·2	8·8	24
295	13·4	310	12·5	295	13·1	300	12·5	295	14·1	295	14·1	310	14·1	315	12·1	325	12·8	310	10·5	330	13·1	330	12·1	**12·7**	25
350	8·2	340	10·5	340	11·5	345	12·8	340	13·4	340	11·8	345	10·8	350	9·5	360	6·9	360	3·6	340	4·3	355	5·6	9·3	26
345	12·1	340	12·1	345	12·1	340	11·8	360	10·2	360	9·5	360	9·5	5	8·9	10	8·5	10	7·2	10	7·5	10	8·5	8·8	27
20	3·9	45	3·6	50	3·6	45	3·9	55	3·9	80	3·0	110	3·0	115	2·0	—	1·0	115	3·0	115	2·3	—	1·3	3·9	28
100	3·9	175	4·3	175	3·9	180	3·9	175	3·3	170	2·6	150	2·6	140	3·3	130	3·3	130	4·6	130	4·6	120	4·3	3·5	29
145	5·2	160	6·2	150	5·2	150	4·9	150	3·6	155	2·6	160	2·6	160	1·6	—	0·7	—	0·0	—	0·0	—	0·0	3·9	30
45	7·5	25	7·9	30	8·2	30	9·2	40	7·9	35	8·5	30	9·2	30	9·5	40	9·8	45	10·8	55	10·5	55	10·5	5·6	31
—	7·3	—	7·8	—	7·7	—	**7·9**	—	7·7	—	7·3	—	7·1	—	6·4	—	6·0	—	5·8	—	5·9	—	6·0	6·3	

April, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
60	4·3	85	3·6	65	3·3	90	3·6	105	3·6	110	3·6	110	4·3	110	5·9	105	4·9	95	3·3	95	3·6	100	3·9	5·7	1
90	7·9	95	6·9	95	6·2	85	7·9	95	8·5	100	9·5	90	9·2	90	9·8	90	10·5	90	8·5	90	7·2	80	9·5	6·9	2
40	11·1	45	11·5	30	9·8	25	9·2	30	9·5	25	9·5	30	8·9	30	5·2	30	3·9	40	2·6	40	2·3	—	0·7	8·1	3
255	3·3	255	3·3	245	3·3	250	3·3	235	4·3	—	1·0	200	1·6	200	2·6	195	3·0	205	3·3	240	2·3	—	1·0	2·0	4
350	5·9	345	5·6	15	5·6	25	6·2	10	5·6	355	6·2	350	5·6	350	4·9	350	3·6	—	0·7	—	0·7	—	1·0	3·2	5
295	2·0	275	2·0	—	1·3	—	0·7	165	2·6	160	3·9	145	2·6	120	3·9	105	4·3	90	4·9	90	4·3	90	5·2	1·9	6
50	6·9	50	6·9	50	5·9	50	4·9	35	4·9	30	5·6	30	4·6	20	3·6	10	4·6	360	6·6	350	6·9	360	6·9	5·3	7
310	7·2	305	7·5	310	8·2	335	6·9	340	7·9	340	7·5	340	4·6	340	4·3	340	3·3	—	0·3	—	0·0	275	3·0	5·4	8
270	4·3	270	4·9	270	4·3	270	3·6	280	2·3	315	2·3	—	1·0	—	0·3	—	1·0	65	2·0	—	1·0	—	0·0	2·4	9
85	3·0	50	1·6	55	3·3	55	4·6	60	3·9	60	3·0	75	2·6	100	1·6	—	1·0	—	0·3	—	0·0	—	0·0	2·2	10
—	0·3	255	1·6	—	0·0	—	0·0	225	1·6	270	3·0	285	1·6	—	0·0	280	2·0	255	1·6	—	0·0	—	0·3	**0·9**	11
60	6·6	65	6·2	60	4·9	40	5·2	40	5·6	40	4·3	25	1·6	—	1·0	5	2·6	—	1·0	—	0·7	—	0·7	3·0	12
260	3·0	195	2·6	195	2·0	245	3·3	265	2·6	290	1·6	—	0·7	295	1·6	—	0·3	55	1·6	60	3·0	70	3·9	1·4	13
140	7·9	140	8·2	150	8·9	145	6·6	135	4·6	85	3·9	45	3·0	10	5·9	360	3·3	355	4·3	325	8·2	340	13·8	8·1	14
325	16·4	330	16·1	335	19·0	335	16·7	335	17·0	335	15·4	335	14·8	330	15·4	335	14·4	330	12·5	335	13·8	335	13·1	**15·4**	15
340	10·5	340	10·8	335	11·8	345	10·8	340	10·8	345	9·5	345	8·2	355	7·9	350	5·6	345	6·2	360	4·3	360	3·3	9·8	16
270	4·3	270	4·3	270	5·9	270	4·9	290	3·6	280	3·0	—	0·7	—	0·3	—	0·7	—	1·0	—	1·3	45	1·6	2·2	17
180	3·0	180	3·6	175	3·6	175	5·2	175	4·6	175	4·9	175	4·9	165	4·6	165	4·9	160	4·9	155	3·9	140	4·3	2·9	18
170	6·6	170	5·2	170	5·6	170	6·2	170	3·3	—	1·3	160	3·6	145	3·0	—	0·3	—	1·3	—	1·3	—	1·0	4·9	19
340	2·3	325	7·2	320	7·2	325	7·2	325	7·5	325	5·6	325	3·0	—	0·7	—	0·0	—	0·0	—	0·0	—	0·0	4·0	20
315	9·2	315	8·2	300	7·2	280	6·9	280	7·9	285	7·2	290	6·9	280	7·9	290	6·6	290	7·2	285	6·9	285	6·2	5·0	21
170	4·6	155	4·3	160	4·9	170	2·3	—	1·0	170	3·0	160	3·0	350	3·3	360	3·3	360	3·3	340	4·6	340	2·3	3·1	22
260	7·9	265	7·9	270	7·2	265	8·9	275	10·2	265	8·9	270	11·5	255	10·5	265	13·1	270	13·8	275	15·4	280	15·7	7·7	23
295	14·4	290	12·5	290	12·5	295	12·8	290	10·5	295	10·8	285	11·5	295	10·2	180	11·1	290	8·9	280	10·2	280	8·9	12·7	24
235	12·1	240	12·8	250	11·1	305	12·1	320	9·8	315	10·2	305	9·2	320	9·8	310	7·9	300	7·2	290	7·5	285	6·9	9·3	25
290	7·9	305	7·5	305	6·6	320	7·2	325	6·9	325	3·0	320	3·6	345	5·6	25	3·3	30	3·0	20	2·0	340	3·9	6·1	26
355	9·2	345	9·8	340	11·5	350	10·2	360	10·5	360	10·5	345	10·8	340	9·8	345	9·2	360	7·9	345	7·2	345	4·9	8·1	27
350	7·5	345	6·2	5	6·2	340	8·9	340	9·8	350	7·9	5	7·5	20	4·6	25	5·9	20	4·9	30	4·6	55	3·3	6·6	28
355	7·2	10	7·5	10	6·6	10	7·9	10	7·9	15	8·2	10	8·2	10	7·2	10	5·9	5	5·2	20	4·3	25	3·6	4·5	29
345	7·9	340	9·2	330	9·2	330	8·2	330	8 5	335	7·9	340	7·5	340	5·9	345	3·0	350	2·3	—	1·0	—	0·0	4·9	30
—	6·8	—	**6·9**	—	6·8	—	6·7	—	6·6	—	6·1	—	5·6	—	5·2	—	4·8	—	4·3	—	**4·3**	—	4·3	5·5	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

345. Cahirciveen (Valencia Observatory): H_a (height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·0	—	1·0	35	2·5	25	3·3	20	3·3	10	3·3	360	4·9	355	5·2	335	5·2	330	4·6	325	4·3	—	1·3
2	320	4·9	330	5·6	330	5·6	330	4·6	325	3·0	—	1·3	—	0·0	—	0·7	300	3·3	300	4·3	300	4·6	270	6·2
3	170	8·5	175	7·2	215	7·9	225	7·2	230	7·9	235	9·2	240	9·2	240	9·5	240	8·2	245	8·9	245	9·2	245	9·5
4	235	6·9	240	6·9	220	5·6	220	7·9	230	10·2	245	11·5	240	12·1	240	13·4	240	10·8	235	12·8	240	13·1	235	13·1
5	270	7·2	255	7·5	270	10·5	260	7·5	255	9·2	240	9·5	250	7·5	250	6·6	240	7·9	240	7·2	240	5·9	220	5·6
6	175	8·9	175	9·5	175	9·5	175	10·8	175	10·5	175	8·5	175	8·9	175	8·9	175	7·9	175	8·5	175	8·5	175	9·2
7	175	7·2	170	7·2	170	6·6	170	7·2	170	8·2	170	7·5	170	8·5	170	9·5	170	8·5	175	7·2	175	7·2	175	7·2
8	—	1·3	—	1·3	—	0·3	55	1·6	—	0·3	—	0·3	—	1·0	—	0·3	—	0·3	—	0·3	355	2·3	300	2·3
9	—	0·7	—	1·0	—	0·3	—	1·0	—	0·7	—	0·3	—	1·3	—	1·3	170	4·9	175	6·2	175	6·9	175	7·5
10	330	2·0	350	2·6	360	2·6	10	2·0	—	1·0	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	1·3
11	—	0·0	—	0·0	—	0·0	—	0·0	—	1·3	70	2·3	95	2·0	75	3·9	65	7·5	70	7·2	65	7·5	35	4·3
12	25	6·6	35	6·6	25	7·5	30	7·9	35	7·5	40	6·9	30	9·5	40	8·5	30	7·5	30	6·6	30	6·9	20	7·9
13	60	4·3	50	3·6	60	1·6	—	0·0	—	1·0	—	1·3	—	1·3	35	2·3	15	2·6	330	1·6	295	2·6	275	3·3
14	205	3·0	250	3·0	240	2·6	210	3·0	210	3·0	230	3·9	210	3·3	225	3·3	240	6·9	240	6·2	235	5·2	250	5·9
15	195	3·6	195	4·3	195	4·3	200	5·6	190	4·9	190	5·6	195	5·6	200	6·6	195	6·6	190	7·5	190	6·2	190	7·9
16	175	7·9	175	7·9	180	7·5	180	6·9	175	7·2	175	7·2	175	6·9	180	5·9	180	5·9	190	6·2	205	5·9	200	4·6
17	195	3·6	195	4·3	195	4·6	190	4·9	180	5·6	185	6·2	190	5·9	225	6·9	230	6·9	220	5·9	220	7·2	220	8·5
18	245	8·5	250	7·5	250	8·5	250	8·2	250	6·9	250	7·2	250	6·2	245	7·2	245	7·5	245	7·5	245	6·2	245	6·9
19	170	7·9	185	6·6	220	8·2	225	8·2	225	8·9	235	10·2	235	9·5	230	8·9	235	8·9	235	10·5	235	9·5	235	9·8
20	180	4·6	180	5·2	175	4·3	175	4·9	180	5·9	180	5·6	175	5·6	180	5·6	170	8·9	170	9·5	170	10·2	170	8·2
21	175	5·2	175	4·6	175	4·3	180	4·3	180	3·6	180	3·3	180	3·3	180	4·3	180	4·3	180	3·9	180	3·9	180	5·2
22	175	3·9	170	3·6	185	4·9	195	4·6	210	5·2	225	6·2	240	6·9	245	6·6	245	5·6	250	4·6	265	3·3	275	3·0
23	160	6·6	160	6·6	165	6·6	170	6·9	170	8·9	170	8·5	175	9·2	175	9·2	190	7·5	225	6·6	225	7·5	240	7·9
24	—	1·0	—	0·3	260	2·0	—	1·3	—	1·0	—	0·7	260	2·0	155	3·3	115	1·6	105	2·3	100	2·6	120	2·6
25	140	5·9	155	5·6	165	3·3	170	4·3	175	4·6	175	2·6	215	3·3	230	4·6	195	2·6	190	3·3	180	4·3	175	5·6
26	185	4·9	195	4·3	220	5·6	230	4·9	255	5·9	260	4·3	260	4·9	260	3·0	260	3·9	260	3·6	260	4·9	260	6·2
27	—	0·3	—	0·3	—	0·7	—	0·0	—	0·7	—	0·0	—	0·0	—	0·0	—	0·3	—	1·0	285	2·6	275	3·6
28	—	0·0	—	0·3	—	0·0	—	0·0	—	0·0	—	0·3	—	0·0	—	0·0	—	0·3	—	0·7	—	1·0	285	1·6
29	—	0·0	—	1·3	—	1·3	60	1·6	—	0·7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·3	—	1·3	—	1·0
30	35	1·6	—	0·7	35	1·6	35	2·3	—	1·0	—	0·3	—	0·0	—	0·0	—	1·3	160	3·0	165	3·3	170	3·3
31	—	0·0	—	0·3	—	0·3	—	0·0	—	0·0	—	0·7	—	0·0	—	1·0	160	2·3	165	4·9	170	5·2	165	4·6
Mean ...	—	4·1	—	4·1	—	4·2	—	4·3	—	4·5	—	4·4	—	4·5	—	4·7	—	5·0	—	5·3	—	5·5	—	5·6

346. Cahirciveen (Valencia Observatory) : H_a = 12 metres + 14 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	125	4·6	135	5·9	140	5·2	130	3·3	110	3·3	100	2·3	100	5·9	105	6·9	130	5·6	140	5·9	150	6·9	170	7·5
2	240	4·3	265	8·2	270	8·2	280	10·2	290	8·5	295	8·5	305	8·5	305	9·2	310	9·8	320	8·2	320	9·5	320	8·9
3	335	5·2	335	4·9	335	4·9	335	4·6	325	4·3	305	3·6	315	6·2	290	3·0	300	4·9	310	5·6	310	5·6	320	6·2
4	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	—	0·7	255	3·0	245	3·3	240	4·6	240	5·2	240	5·6
5	285	2·6	300	2·3	300	2·3	—	0·3	—	1·0	—	1·0	—	0·3	—	0·0	355	1·6	320	2·6	310	3·3	320	3·9
6	—	0·3	—	0·7	—	1·0	—	0·7	—	0·0	—	0·0	—	0·0	—	0·3	40	1·6	—	1·0	—	1·0	315	3·9
7	—	0·7	—	0·3	—	1·3	45	2·0	80	3·3	80	3·9	85	4·6	95	4·9	105	4·9	115	4·9	150	5·2	160	5·6
8	175	3·9	175	2·0	175	2·0	175	3·0	175	3·3	170	2·6	160	3·3	165	2·6	165	2·0	165	2·6	200	1·6	205	2·0
9	—	1·0	—	0·7	—	0·3	60	1·6	—	1·3	—	1·0	—	0·3	—	0·7	50	2·3	290	2·0	280	3·3	280	3·6
10	280	3·6	280	4·9	280	5·2	285	3·6	285	3·0	280	3·0	275	3·6	260	3·9	255	3·9	240	4·9	235	4·6	230	4·9
11	30	2·0	30	1·6	—	1·0	30	1·6	30	1·6	30	1·6	—	1·0	130	2·0	160	4·3	165	5·2	160	4·9	160	6·2
12	170	4·3	170	3·9	170	4·6	170	4·3	170	4·6	175	3·9	175	3·6	180	4·3	175	4·9	165	4·3	170	3·6	175	3·3
13	355	8·9	355	7·9	350	9·2	350	9·5	10	9·2	10	10·2	10	9·2	10	9·2	10	9·5	5	8·5	5	7·9	5	8·5
14	30	1·6	25	2·3	20	3·0	5	3·3	355	2·6	355	2·0	350	2·0	335	1·6	285	2·3	280	3·0	265	4·6	220	4·6
15	350	7·9	350	8·2	5	7·2	5	5·6	5	3·6	15	4·9	10	5·9	5	7·2	5	4·6	350	5·6	350	5·6	350	6·2
16	325	3·3	325	3·3	345	3·6	340	3·0	340	4·6	340	5·9	340	4·3	335	6·2	330	5·6	330	6·6	330	7·2	330	7·9
17	330	8·2	330	8·9	335	7·5	335	8·5	335	8·5	340	8·5	335	8·9	335	9·8	330	9·5	330	9·2	335	10·8	330	10·8
18	285	6·6	285	3·9	295	3·3	290	7·9	290	6·9	295	6·6	295	7·5	290	6·6	290	6·6	285	6·6	280	6·6	265	6·9
19	250	5·2	250	5·2	250	4·3	250	5·9	245	4·9	240	3·6	240	3·6	240	5·2	235	6·9	235	8·2	240	7·2	235	6·2
20	190	4·9	195	6·2	195	5·6	190	5·9	200	6·6	220	9·2	280	8·2	285	6·9	280	5·2	270	5·9	260	6·6	260	7·5
21	260	5·9	250	6·6	255	4·9	265	2·3	230	5·2	250	5·2	245	5·9	225	4·3	240	7·2	240	7·9	230	6·2	225	6·6
22	245	6·9	245	6·6	240	7·5	240	7·5	240	3·3	230	5·2	225	5·6	225	6·6	225	6·6	215	6·6	215	7·2	220	8·9
23	280	8·9	280	7·5	285	8·9	290	8·2	285	7·9	290	7·5	305	7·2	300	7·5	290	6·6	300	6·2	290	5·6	290	6·9
24	240	4·6	240	2·6	240	4·6	250	6·6	280	4·6	280	6·2	280	5·2	265	7·2	270	8·5	265	9·5	260	10·8	270	8·9
25	285	10·8	290	9·8	285	10·8	290	10·5	300	8·2	290	7·9	290	7·5	290	9·8	290	8·5	305	5·9	270	9·2	265	10·2
26	220	3·9	245	5·6	255	7·2	280	8·2	280	7·5	285	8·9	280	7·9	280	9·5	285	9·8	295	7·9	290	6·6	290	7·5
27	225	4·9	235	5·2	235	5·6	235	4·6	245	6·9	245	3·6	220	4·3	225	3·9	225	4·9	220	4·9	220	5·2	225	6·6
28	245	4·6	285	5·2	335	7·2	335	6·6	330	5·9	355	5·2	350	5·2	335	4·3	310	4·6	290	6·2	310	5·9	295	6·2
29	280	9·8	280	10·2	275	9·2	290	9·2	280	9·8	290	9·2	290	9·2	280	9·8	290	9·5	290	8·5	290	7·5	285	8·2
30	235	6·2	240	8·9	245	8·5	245	8·9	245	8·9	245	8·9	240	8·5	245	8·9	245	7·2	250	6·2	240	8·2	230	5·9
Mean ...	—	4·6	—	5·0	—	5·2	—	5·3	—	5·0	—	5·0	—	5·1	—	5·5	—	5·8	—	5·8	—	6·1	—	6·5
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

Averages for periods of sixty minutes centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 12 metres + 14 metres.

May, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
—	0·3	290	3·9	295	7·9	300	8·5	310	9·5	310	9·2	315	8·5	320	5·9	315	6·6	320	7·2	320	6·2	315	5·9	4·8	1
285	6·2	290	4·9	290	5·2	295	4·6	280	4·3	270	3·6	250	3·6	245	2·0	220	3·3	185	3·3	180	5·2	170	8·2	4·1	2
240	10·5	245	9·2	240	9·5	240	9·5	240	9·8	235	8·9	230	6·2	215	6·2	225	6·9	230	7·2	235	6·9	235	7·5	8·4	3
235	13·4	235	12·8	240	11·5	235	11·8	240	10·5	235	10·5	235	10·8	230	8·9	225	6·6	235	9·8	260	6·6	280	6·6	**10·2**	4
215	6·2	200	5·2	190	5·9	190	6·2	180	5·9	175	7·2	175	7·9	175	6·6	170	7·9	170	7·2	170	8·5	170	9·2	7·3	5
180	8·2	180	8·2	170	8·5	170	8·2	170	8·5	170	7·2	170	7·5	170	8·2	170	7·9	170	8·5	170	8·2	170	7·9	8·6	6
170	7·5	170	8·2	170	9·2	170	8·9	175	8·2	175	3·6	170	3·3	170	2·0	170	2·6	170	1·6	—	1·0	95	1·6	6·4	7
265	3·0	265	2·0	265	2·3	265	1·6	265	2·0	265	2·3	—	0·7	—	0·3	—	0·3	—	0·3	—	0·7	—	1·0	1·2	8
180	5·2	210	3·9	225	3·0	240	3·3	245	4·6	250	3·0	250	2·0	—	0·7	—	0·3	—	0·7	315	1·6	—	1·0	2·6	9
280	2·3	280	1·6	280	3·0	280	3·3	280	1·6	—	1·0	—	0·7	—	0·3	—	1·3	—	0·0	—	0·0	—	0·0	1·2	10
5	6·6	10	6·2	15	5·9	15	5·6	25	5·2	15	7·5	15	6·9	25	7·2	40	5·6	50	3·3	30	4·9	25	6·6	4·3	11
20	8·2	15	7·9	15	8·2	5	6·9	10	6·6	10	6·2	360	6·6	360	6·9	360	6·2	5	5·9	20	3·3	50	3·0	7·0	12
280	4·3	310	3·9	275	3·9	265	4·3	265	4·3	270	4·3	280	2·6	280	2·3	280	2·3	—	1·3	—	1·0	195	1·6	2·6	13
250	6·9	250	7·2	245	7·5	240	7·5	240	7·9	240	7·2	235	4·9	215	3·9	220	4·9	220	4·9	215	4·6	200	4·3	5·0	14
190	7·5	175	7·5	175	7·5	175	7·9	175	8·5	175	9·2	175	8·2	175	8·5	175	8·5	175	8·5	175	7·9	175	8·2	6·9	15
210	3·3	200	3·6	215	4·3	235	3·3	235	3·3	225	5·6	230	4·3	230	3·6	215	3·6	220	2·6	210	3·3	200	3·6	5·3	16
200	7·2	195	6·6	225	7·9	225	9·5	235	9·8	240	10·8	235	9·2	235	8·2	235	8·2	235	11·1	240	10·2	240	9·5	7·3	17
235	6·6	230	6·2	235	5·9	225	5·2	220	4·3	210	3·3	210	2·6	200	3·0	175	3·3	165	4·6	160	5·2	160	8·5	6·1	18
230	7·9	230	7·9	230	6·6	215	3·6	200	4·3	195	3·6	185	4·9	175	4·6	175	5·6	180	5·6	185	5·2	180	5·2	7·2	19
170	6·9	175	7·2	175	8·2	175	7·2	175	7·9	175	6·9	175	6·2	175	6·6	175	5·6	175	6·2	175	5·6	175	5·6	6·6	20
180	4·6	175	4·9	170	5·2	170	4·9	170	4·9	175	4·9	175	5·9	175	5·6	175	5·9	185	5·6	240	3·3	—	0·7	4·5	21
240	2·6	180	3·9	180	4·6	180	3·9	180	4·6	180	5·2	180	4·3	160	4·9	165	4·3	180	4·6	175	5·2	165	5·6	4·6	22
245	7·5	245	6·6	250	6·6	250	5·9	250	6·2	255	6·2	260	3·3	260	2·6	—	1·0	—	0·7	260	1·6	260	2·0	6·0	23
100	2·0	115	2·3	100	2·6	85	1·6	125	2·0	145	3·6	140	2·6	140	2·0	135	2·6	145	3·0	135	4·6	140	4·6	2·2	24
175	6·2	175	7·2	175	6·9	175	7·2	180	6·5	180	5·6	185	5·9	180	5·6	180	4·9	180	5·6	180	4·6	180	5·2	5·0	25
260	5·6	265	5·2	280	4·9	280	5·2	290	4·3	295	3·3	285	3·3	285	2·6	—	1·0	—	0·0	—	0·0	—	0·0	3·9	26
275	3·6	275	3·6	275	4·3	275	3·6	275	4·3	270	3·3	250	1·6	—	0·7	195	2·3	—	0·7	—	1·0	—	0·0	1·6	27
295	3·0	275	2·3	285	2·6	275	2·0	285	2·3	310	1·6	—	1·3	—	0·0	—	0·0	—	0·0	—	0·7	—	1·3	**0·9**	28
285	2·0	285	2·6	285	2·6	285	2·3	285	2·0	—	1·0	—	0·0	—	0·0	—	0·0	—	1·0	—	1·0	—	1·3	1·0	29
175	3·3	180	3·6	180	4·6	170	4·6	170	5·2	170	4·6	170	4·6	160	3·3	—	1·0	—	0·0	—	0·0	—	0·0	2·2	30
160	6·6	160	6·2	160	5·2	160	5·6	160	6·2	155	4·3	140	4·6	125	2·3	120	3·6	135	2·0	130	2·3	95	3·0	2·9	31
—	5·7	—	5·6	—	**5·9**	—	5·6	—	5·7	—	5·3	—	4·7	—	4·0	—	4·0	—	4·0	—	**3·9**	—	4·2	4·8	

June, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
175	6·6	190	4·3	220	4·6	200	3·9	190	4·9	195	4·9	180	4·9	180	3·3	190	2·6	215	2·0	220	3·3	240	3·9	4·7	1
320	9·5	320	9·5	315	9·2	315	7·9	315	8·5	315	7·5	320	7·5	320	6·6	325	7·2	330	6·9	335	5·9	335	6·2	8·1	2
320	5·2	320	5·2	295	4·3	310	4·9	300	3·9	290	3·9	280	3·6	285	2·3	290	2·6	290	2·0	—	0·3	290	1·6	4·2	3
250	5·6	245	6·2	240	6·2	250	6·6	245	5·9	240	4·6	240	4·3	245	3·9	255	3·0	270	3·0	280	1·6	—	1·0	3·4	4
320	3·3	280	3·0	280	4·3	305	3·9	305	3·3	300	4·6	300	3·3	300	3·9	315	3·6	—	1·0	—	1·3	—	1·0	2·4	5
290	3·3	265	4·9	265	4·3	270	3·6	285	3·3	300	3·0	310	2·0	—	1·3	—	0·0	—	1·0	—	1·3	—	1·0	**1·6**	6
150	5·9	170	5·9	170	5·9	175	4·6	175	4·9	175	5·2	175	4·3	175	4·6	175	4·6	175	6·6	175	6·2	175	5·2	4·3	7
215	2·6	250	3·9	260	3·6	260	3·9	255	4·3	255	3·6	255	2·3	—	0·7	—	0·3	—	0·7	—	1·0	275	2·0	2·6	8
270	4·6	270	3·6	270	3·9	270	4·9	275	5·2	290	4·3	290	2·6	290	1·6	—	1·0	290	2·0	285	2·6	280	2·3	2·4	9
320	7·2	335	8·9	330	7·5	330	8·5	330	8·2	330	6·6	335	6·2	335	5·2	340	3·9	345	3·3	345	2·3	5	2·0	5·0	10
165	6·9	165	7·2	175	5·6	170	4·3	180	4·3	205	2·6	200	3·0	185	3·3	185	3·0	185	3·3	180	3·3	170	3·6	3·4	11
190	3·9	200	3·9	205	3·3	210	3·9	220	4·3	230	3·9	230	4·3	240	4·3	310	5·2	335	9·2	345	7·9	350	8·9	4·6	12
5	7·9	360	7·9	335	10·2	340	9·8	350	7·5	360	6·6	345	8·2	350	8·2	355	5·9	360	4·6	10	3·9	30	2·3	8·1	13
225	4·9	205	4·6	210	5·6	225	5·6	200	4·6	185	4·3	180	5·9	180	4·9	190	3·3	250	6·9	325	8·5	350	9·2	4·1	14
330	7·2	330	8·2	330	7·5	330	6·2	325	6·9	325	5·6	325	4·6	325	3·9	325	3·3	325	3·0	325	1·6	325	2·6	5·7	15
340	9·2	335	10·2	335	9·5	340	9·8	340	8·9	345	8·9	345	8·5	350	7·9	350	7·9	345	7·9	345	6·9	335	7·9	6·8	16
335	10·2	335	10·5	335	9·5	335	9·2	320	8·5	320	8·2	305	6·9	300	7·5	295	6·9	295	6·6	280	5·9	280	5·2	**8·6**	17
265	7·2	275	6·6	270	6·2	270	5·9	270	6·6	265	5·6	265	4·6	265	4·3	265	4·6	265	4·9	255	5·6	245	5·6	6·0	18
240	6·6	235	5·6	230	5·6	230	5·6	225	5·6	215	4·6	210	4·9	220	5·6	200	4·6	200	4·9	190	4·6	190	5·9	5·4	19
250	8·2	260	8·5	260	8·9	255	8·9	250	8·9	250	7·9	250	7·5	260	7·9	270	7·9	270	7·2	265	5·9	265	6·9	7·2	20
230	7·9	230	5·2	235	7·2	240	6·9	240	7·9	240	6·9	245	7·2	250	5·6	245	5·2	250	6·6	250	5·6	245	6·6	6·2	21
225	10·2	225	9·8	230	11·8	245	11·1	245	9·8	255	9·8	260	9·8	260	9·2	265	9·2	275	6·9	280	7·9	285	8·5	8·0	22
295	6·2	275	5·6	275	5·6	265	6·6	255	6·9	245	5·9	245	5·9	240	4·9	240	4·6	240	4·6	235	3·6	230	4·3	6·5	23
275	9·8	275	10·5	270	10·2	275	10·8	280	10·8	280	10·2	280	12·1	285	11·8	285	10·8	290	10·5	285	10·8	300	9·5	8·5	24
255	7·9	255	6·6	260	5·2	250	4·3	230	4·3	240	4·6	230	5·6	220	4·9	215	5·6	215	5·2	220	4·6	225	3·9	7·3	25
285	7·9	290	6·9	285	6·2	285	6·6	275	5·2	270	4·9	265	4·6	250	4·6	250	4·3	250	3·3	235	3·3	220	3·9	6·3	26
220	4·9	220	6·2	220	5·9	220	4·9	220	5·2	225	4·6	225	4·6	235	5·6	240	6·9	240	6·2	240	6·2	250	5·9	5·3	27
280	6·2	305	6·9	295	6·9	290	7·2	280	8·5	280	9·2	280	9·2	295	5·9	285	8·9	280	9·8	285	8·9	280	9·8	6·8	28
280	9·5	280	9·2	280	8·5	280	7·2	265	6·2	255	7·9	260	5·2	255	7·2	270	4·6	250	5·9	245	5·2	240	6·9	8·1	29
215	6·2	220	5·6	195	5·2	185	6·6	180	5·6	175	6·9	175	7·2	170	7·2	175	8·2	175	9·8	170	10·5	175	10·8	7·6	30
—	**6·8**	—	6·7	—	6·6	—	6·5	—	6·3	—	5·9	—	5·7	—	5·3	—	5·0	—	5·2	—	4·9	—	5·1	5·6	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

347. Cahirciveen (Valencia Observatory) : H_a (height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	190	9·2	230	8·2	235	5·6	220	3·9	215	3·6	190	3·3	165	4·3	175	5·2	175	6·6	175	6·2	190	7·9	225	7·5
2	235	10·5	235	12·1	240	12·5	240	12·8	240	10·8	240	11·1	240	11·8	240	10·5	240	10·2	240	11·5	240	9·5	240	10·8
3	235	4·3	250	4·3	255	4·6	260	4·3	265	4·6	270	5·2	275	6·2	275	5·9	270	6·2	265	7·9	265	5·2	260	5·6
4	210	5·9	200	6·9	210	9·2	230	9·2	240	9·8	235	6·6	230	6·6	220	6·2	215	6·9	225	7·5	250	6·6	255	7·2
5	—	0·3	—	1·3	20	1·6	25	2·0	35	1·6	—	0·3	—	0·3	65	1·6	110	2·6	100	3·0	120	3·3	105	4·9
6	10	7·5	350	8·9	345	9·8	340	11·1	335	10·2	340	10·2	335	9·8	320	9·8	315	10·2	305	9·5	300	9·2	295	8·2
7	225	3·3	245	4·6	245	5·6	255	6·2	250	5·6	245	5·6	255	4·3	235	3·3	240	4·9	245	4·9	250	4·9	250	4·3
8	65	8·5	65	8·9	65	7·9	70	6·6	70	5·6	40	5·2	355	15·1	350	17·0	340	19·7	340	19·0	340	18·4	340	17·0
9	310	8·9	300	8·9	305	8·5	310	7·9	310	7·9	305	6·6	305	6·6	325	3·0	305	5·6	305	5·2	285	3·6	265	5·9
10	85	2·3	70	2·6	70	2·3	—	1·0	—	0·3	90	1·6	—	1·3	—	0·7	340	2·0	290	2·6	310	2·6	330	2·6
11	—	1·3	—	0·7	—	0·3	—	0·7	—	0·7	105	1·6	140	3·3	95	3·0	120	1·6	165	3·6	170	4·9	160	5·6
12	175	4·6	180	3·6	180	3·3	180	3·6	180	3·6	180	2·6	185	2·6	315	6·2	325	7·2	330	6·2	305	6·9	310	6·2
13	200	2·0	190	3·3	185	3·3	180	4·6	180	3·9	180	4·9	180	5·2	175	6·9	170	8·9	170	9·8	170	9·2	170	7·5
14	305	3·3	290	4·9	295	3·3	265	4·9	265	4·9	270	4·9	270	4·3	260	4·6	255	3·9	275	3·3	275	4·3	255	6·9
15	285	6·2	275	3·9	290	5·6	295	5·9	285	5·6	295	6·2	290	6·9	290	7·5	280	6·9	275	7·2	270	6·9	290	7·5
16	290	7·2	285	5·9	285	7·2	285	6·2	285	6·2	285	6·9	285	6·9	295	6·9	285	6·9	280	7·5	275	6·9	265	7·2
17	255	5·9	255	4·3	250	2·0	230	1·6	250	3·9	255	2·0	255	2·6	240	3·9	240	2·3	240	2·6	240	2·3	240	1·6
18	330	3·3	330	2·0	330	2·0	330	2·0	330	1·6	—	0·3	—	1·0	320	2·3	310	3·3	290	4·6	270	4·9	270	3·9
19	—	0·7	—	0·7	—	0·7	—	1·3	155	3·0	155	3·6	155	3·3	160	4·6	165	5·6	175	6·6	175	6·6	175	8·5
20	185	4·3	185	4·9	190	5·2	175	6·2	175	8·2	170	8·2	175	8·2	180	7·9	185	8·9	185	8·2	190	7·2	195	7·5
21	—	0·3	305	2·0	—	1·3	—	0·7	275	2·3	270	3·9	270	3·6	260	2·6	255	3·3	260	4·9	260	3·9	265	5·6
22	—	0·7	—	0·3	—	0·3	—	1·0	10	1·6	—	0·0	130	1·6	150	3·0	155	3·3	165	4·3	175	5·2	175	5·2
23	130	4·6	145	4·6	145	5·2	160	4·3	155	3·3	170	2·3	190	2·3	180	3·3	175	2·6	170	3·0	170	3·9	170	3·3
24	—	0·0	—	0·7	25	1·6	—	1·3	—	0·3	—	0·0	—	0·0	—	1·3	295	2·0	280	2·3	305	3·0	300	3·0
25	—	0·7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·3	250	2·0	240	3·3	225	3·0	215	3·9
26	170	8·9	175	9·8	175	10·2	175	9·2	180	7·9	180	8·5	185	8·5	200	7·9	225	7·9	240	8·5	245	8·5	270	5·9
27	265	1·6	265	3·3	265	4·6	265	2·0	275	2·3	285	2·3	—	0·3	—	0·3	250	1·6	240	3·3	240	3·6	230	3·0
28	265	1·6	265	2·6	265	1·6	—	1·0	265	2·0	—	1·0	—	1·0	—	1·3	165	3·9	170	5·6	175	6·2	175	6·2
29	165	9·5	170	8·5	170	8·2	190	6·6	190	5·9	205	7·2	230	7·5	235	4·9	220	5·2	230	7·2	230	7·2	230	6·6
30	260	3·9	255	4·3	250	3·9	225	2·6	210	2·6	210	3·0	210	3·6	215	5·2	210	5·6	200	5·2	200	5·9	200	7·2
31	235	8·2	240	10·2	240	9·8	245	11·1	245	10·8	245	10·8	245	10·5	245	10·8	250	10·8	265	8·9	265	9·8	265	9·5
Mean ...	—	4·5	—	4·7	—	4·7	—	4·6	—	4·5	—	**4·4**	—	4·8	—	5·1	—	5·8	—	6·2	—	6·2	—	6·3

348. Cahirciveen (Valencia Observatory) : H_a = 12 metres + 14 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	270	6·2	265	4·9	270	7·2	270	5·6	280	5·6	280	6·6	280	5·6	290	5·2	285	4·3	285	4·3	295	4·3	300	4·9
2	260	3·3	—	1·3	235	3·0	245	1·6	190	3·0	175	2·0	190	2·3	200	3·0	240	4·9	270	5·2	255	5·6	255	5·9
3	105	3·6	90	5·9	100	3·0	105	1·6	170	4·9	160	6·2	150	7·2	150	7·5	145	7·9	150	6·6	165	7·2	170	5·9
4	—	1·0	—	0·3	—	0·3	—	0·7	—	0·0	—	0·0	—	0·0	25	2·3	50	2·3	25	3·3	15	3·3	15	3·3
5	285	2·3	—	0·3	—	0·0	—	0·7	—	0·7	—	0·3	—	0·3	90	2·3	85	3·6	105	3·3	105	4·6	105	4·3
6	160	2·3	160	2·3	160	3·0	165	1·6	—	1·3	165	2·3	—	1·3	165	1·6	165	2·0	165	2·6	165	2·6	165	3·0
7	—	1·0	—	1·0	—	1·3	—	0·3	—	0·3	—	0·3	85	2·3	80	2·6	90	3·3	105	2·3	100	4·3	95	3·9
8	—	1·3	80	3·0	20	3·9	35	3·3	45	3·9	60	5·2	45	4·9	35	6·2	30	6·6	30	5·6	35	6·9	20	6·9
9	355	3·9	350	4·3	340	4·6	340	3·3	335	6·6	335	5·6	350	5·2	350	5·6	350	8·2	355	8·2	340	7·2	340	7·5
10	35	3·0	50	4·3	50	3·9	35	4·3	55	3·3	45	3·0	25	2·3	45	3·6	70	5·2	55	5·2	55	5·2	25	4·6
11	—	1·0	—	0·7	—	0·7	—	1·0	—	0·7	—	0·3	—	1·0	—	1·0	—	1·0	250	3·0	210	3·0	210	3·0
12	175	8·9	175	8·5	170	7·2	175	3·9	225	5·2	240	3·9	240	3·6	240	2·3	240	3·0	270	4·6	285	3·9	295	3·6
13	255	5·6	255	3·6	255	4·9	245	4·9	250	4·3	265	4·9	285	4·9	260	4·9	265	5·2	270	3·0	255	5·6	260	3·3
14	—	0·3	—	1·0	—	1·0	—	1·3	—	1·0	265	2·6	280	1·6	—	0·3	—	1·3	285	3·3	280	3·3	270	3·6
15	225	2·0	240	3·3	240	4·3	245	4·9	250	4·3	225	2·0	215	2·3	215	3·9	220	5·2	200	4·6	160	5·9	190	5·9
16	180	9·5	185	7·2	235	8·2	250	8·2	260	4·3	245	3·0	215	2·6	210	3·9	210	4·3	195	4·3	200	4·9	200	5·6
17	245	9·5	245	9·5	245	11·1	245	10·8	245	10·5	250	11·8	250	10·5	255	10·2	255	10·8	260	9·5	260	10·2	260	9·8
18	275	4·9	270	4·9	255	6·6	240	7·9	240	6·9	240	8·5	240	9·2	240	10·8	240	11·8	245	8·5	245	8·5	245	7·2
19	255	2·3	255	2·3	255	2·0	255	1·6	255	2·3	255	4·3	250	2·6	240	2·6	240	3·9	240	3·0	230	3·6	220	3·9
20	175	4·6	175	5·6	180	4·9	180	4·3	180	4·6	180	5·2	180	4·6	185	4·9	195	4·6	200	4·6	205	5·6	200	4·9
21	190	3·0	190	2·6	190	2·3	190	3·3	190	1·6	190	2·0	185	3·0	175	2·3	175	3·0	185	2·0	195	2·0	210	2·6
22	235	1·6	—	1·0	220	2·3	—	1·3	—	0·7	190	1·6	245	4·6	250	3·3	250	3·3	235	2·6	225	5·6	250	7·2
23	5	4·6	10	4·9	360	4·6	360	5·6	355	3·6	330	4·3	330	5·6	340	5·6	335	6·9	315	5·6	315	6·6	305	6·2
24	170	3·6	155	4·9	160	5·6	170	5·2	170	4·6	170	4·3	200	3·9	225	8·9	240	10·8	245	9·2	265	8·9	275	9·2
25	285	11·5	285	9·8	290	9·8	290	9·8	295	9·2	290	7·2	295	7·5	300	6·9	315	6·6	310	5·2	325	6·2	330	4·6
26	—	1·3	100	2·0	155	3·9	170	5·2	175	5·6	165	9·5	160	9·2	170	7·2	175	8·2	175	7·5	175	6·6	175	7·5
27	210	4·6	210	4·3	215	4·3	205	3·6	195	3·6	190	4·9	205	3·9	190	3·9	220	6·6	225	6·6	225	6·6	225	6·2
28	—	1·0	260	2·3	—	0·0	—	0·7	—	1·3	—	0·7	—	0·7	—	0·0	—	0·0	295	2·6	305	3·3	320	4·6
29	—	0·7	35	2·0	—	1·0	—	1·3	—	0·7	135	2·0	145	2·6	165	3·0	190	3·9	175	6·2	175	6·9	175	7·2
30	325	2·0	325	3·0	325	1·6	305	5·9	—	1·3	—	0·3	—	1·0	310	2·0	315	1·6	300	3·3	285	3·0	285	4·6
31	305	3·6	300	1·6	310	4·6	290	5·9	290	5·9	305	5·9	295	4·6	310	4·3	320	3·3	320	3·3	285	5·9	295	4·9
Mean ...	—	3·7	—	3·6	—	3·9	—	3·9	—	3·6	—	3·9	—	3·9	—	4·3	—	5·0	—	4·8	—	5·4	—	5·4
G.M.T	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

Averages for periods of sixty minutes centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 12 metres + 14 metres.

July, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
220	8·9	220	8·9	225	10·8	220	10·5	220	9·8	220	10·5	220	11·5	220	10·2	225	10·5	225	10·2	230	11·1	235	10·8	8·1	1
240	11·1	240	10·5	245	9·8	240	9·5	245	8·2	245	7·5	245	6·6	250	6·6	250	3·0	250	3·0	240	2·0	210	3·3	9·1	2
245	5·6	230	5·6	220	5·2	200	4·9	180	5·9	175	6·6	170	7·9	160	7·9	160	9·2	185	7·9	225	5·6	220	6·2	5·9	3
280	5·9	305	7·5	305	8·9	305	9·2	305	7·9	310	6·2	305	6·6	305	4·3	310	3·0	310	2·0	—	0·7	—	1·0	6·4	4
105	5·2	90	3·9	75	3·9	30	4·3	35	6·9	55	7·2	55	5·2	45	4·6	55	5·6	15	6·9	20	7·2	20	7·9	3·7	5
285	8·9	280	8·2	275	8·2	270	8·5	270	7·9	250	7·5	255	6·6	250	6·9	240	7·2	230	3·6	220	2·6	230	3·6	8·2	6
225	3·6	225	3·9	210	3·9	185	4·3	175	3·6	175	3·6	160	3·6	115	3·9	80	7·2	80	7·9	70	6·9	70	7·5	4·8	7
340	17·0	340	15·7	335	15·4	330	13·8	330	12·8	325	14·1	320	13·1	320	15·1	320	14·1	320	12·1	315	12·8	320	11·8	**13·1**	8
260	5·2	260	4·3	260	4·6	260	3·3	260	3·6	260	3·0	260	2·3	—	0·7	190	2·6	190	2·3	—	1·3	105	1·6	4·9	9
325	2·3	260	3·9	260	4·3	260	3·9	260	3·6	260	2·3	260	2·3	260	1·6	—	0·3	—	0·7	—	0·7	—	0·0	**2·0**	10
160	6·6	170	6·6	175	5·9	175	6·9	175	6·2	175	5·6	180	4·3	180	4·9	175	4·9	175	4·3	175	4·6	175	4·6	3·8	11
315	6·2	310	5·6	310	6·2	300	4·6	300	4·6	285	4·6	290	2·6	305	2·0	305	2·0	—	0·7	—	1·3	200	2·0	4·2	12
170	8·2	185	6·6	245	7·2	265	5·6	280	5·6	290	5·9	305	6·6	320	5·2	320	4·6	305	3·6	295	4·9	300	4·6	5·7	13
225	4·6	250	6·9	265	3·3	255	3·6	255	5·9	265	4·9	290	5·6	280	5·9	275	4·3	285	5·9	285	5·9	295	5·6	4·8	14
305	9·2	305	8·2	305	9·2	310	8·5	310	8·2	310	7·2	310	6·9	310	5·9	290	5·9	290	6·2	290	6·2	280	6·9	6·8	15
270	7·5	265	7·5	265	7·9	265	7·5	270	6·9	275	6·2	270	5·9	265	4·9	265	5·6	260	4·9	260	5·7	255	5·6	6·6	16
245	2·6	255	3·9	285	4·6	310	5·2	310	4·9	315	5·9	300	4·6	290	5·2	295	5·9	315	5·2	340	2·0	340	2·6	3·7	17
265	5·6	255	5·6	255	3·9	255	3·6	255	3·6	255	3·0	255	2·6	255	2·6	255	2·0	240	1·6	195	2·0	—	1·0	2·9	18
175	6·9	170	7·2	170	7·2	170	7·9	170	7·2	170	7·5	170	7·5	170	6·6	170	5·9	175	5·6	180	4·6	185	4·3	5·1	19
195	6·5	210	6·5	195	4·6	200	5·2	240	4·3	280	3·0	280	2·3	—	1·3	285	2·0	—	1·3	305	2·0	305	2·0	5·3	20
280	5·6	275	5·2	280	5·9	285	5·6	295	4·9	300	3·3	280	3·6	275	3·0	275	2·3	275	1·6	275	1·6	—	0·0	3·3	21
170	4·9	170	4·6	170	4·6	170	5·2	175	4·3	165	3·6	145	3·3	130	3·3	130	4·3	130	4·9	135	3·9	130	4·3	3·1	22
170	3·3	170	2·6	170	2·0	185	2·0	245	4·6	275	2·3	290	2·0	—	0·7	—	0·0	—	0·0	—	0·0	—	0·3	2·7	23
300	4·6	315	3·3	310	3·3	325	5·2	325	6·2	325	6·2	330	5·6	340	4·3	340	3·9	340	2·3	—	1·0	—	0·3	2·6	24
205	3·6	200	4·3	185	5·6	175	6·2	180	5·2	180	5·6	180	6·6	175	6·9	170	8·2	170	8·5	170	7·9	170	9·2	3·6	25
270	6·2	270	5·9	275	5·6	270	5·2	265	5·2	260	6·6	260	5·2	260	3·3	275	3·3	290	2·3	280	2·3	265	3·6	6·6	26
220	3·9	230	4·6	245	3·9	260	3·9	265	4·3	265	3·3	265	3·0	—	0·7	—	0·3	265	1·6	265	2·0	265	2·0	2·6	27
175	6·6	170	7·5	165	7·5	155	9·2	155	9·5	155	8·9	155	8·2	155	8·9	165	9·2	160	10·5	160	12·8	165	10·2	5·8	28
225	6·2	240	6·9	280	6·6	320	7·5	305	5·6	290	5·2	285	4·6	285	4·9	285	5·9	295	4·3	285	3·6	275	3·6	6·4	29
205	8·2	210	7·5	220	8·2	225	8·5	235	8·9	230	8·2	235	7·9	235	7·2	235	6·6	230	7·2	235	7·5	235	8·2	6·0	30
265	9·8	260	8·9	260	8·5	265	8·9	265	7·5	265	7·5	270	6·6	260	6·9	260	6·6	255	6·9	250	5·9	250	6·9	8·9	31
—	**6·5**	—	6·4	—	6·3	—	6·4	—	6·3	—	5·9	—	5·5	—	5·0	—	5·0	—	4·7	—	4·5	—	4·6	5·4	

August, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
275	5·2	270	4·9	270	4·9	270	5·2	270	4·9	270	4·6	280	4·3	285	4·3	285	5·2	270	2·6	—	1·3	270	2·3	4·9	1
240	4·6	230	4·3	220	3·9	240	5·2	255	2·0	—	1·3	—	1·3	230	2·0	200	2·3	190	2·3	175	2·0	130	2·6	3·1	2
175	5·2	180	3·9	185	4·3	175	5·9	175	5·2	170	5·6	160	3·6	125	2·0	120	1·6	120	3·3	115	3·0	80	2·0	4·7	3
15	4·3	355	5·2	10	4·3	10	4·3	5	3·6	5	3·0	355	1·6	140	2·3	165	2·0	—	1·3	—	0·7	—	1·3	2·0	4
85	4·6	95	4·9	100	4·9	110	3·6	110	2·6	115	2·0	140	2·0	140	3·0	125	3·3	130	2·0	160	3·0	160	2·3	2·5	5
170	3·0	190	2·3	240	3·0	245	3·6	245	3·3	245	3·0	245	2·0	—	0·7	190	2·0	—	1·3	—	0·7	—	1·3	2·2	6
75	3·3	80	3·6	70	6·2	90	4·3	80	2·0	75	3·0	75	1·6	85	3·0	60	2·6	60	3·6	75	3·6	70	3·9	2·6	7
30	6·6	30	6·9	15	5·9	20	4·3	5	4·6	5	5·9	20	4·6	350	6·6	5	5·2	5	4·9	355	5·2	360	4·6	5·1	8
325	7·2	325	7·2	330	7·2	335	7·2	335	6·9	335	6·6	335	6·2	335	4·3	335	3·6	335	3·9	335	4·3	335	3·9	5·8	9
10	6·9	10	5·9	15	3·9	10	4·6	10	4·3	15	4·6	20	3·6	20	3·3	—	1·3	—	1·3	—	0·0	—	0·7	3·7	10
215	5·2	215	4·9	195	4·9	195	5·2	190	4·9	180	4·9	180	5·6	175	6·2	175	6·6	175	7·9	175	6·9	175	8·9	3·5	11
295	3·6	270	3·9	270	3·3	270	5·2	255	5·9	250	5·6	265	5·2	285	3·9	280	4·3	275	3·9	265	5·6	255	4·9	4·8	12
260	5·6	260	3·9	260	4·6	260	4·6	280	4·6	275	3·0	275	3·3	—	0·7	—	0·3	—	0·7	—	0·7	—	0·3	3·7	13
270	3·9	270	4·9	270	5·2	270	4·3	275	4·6	280	4·6	285	4·3	285	2·3	280	3·3	280	3·0	275	2·0	260	2·0	2·7	14
190	6·6	200	7·2	210	6·6	200	6·6	200	6·6	195	5·9	180	7·2	175	7·5	175	8·9	175	8·5	175	9·5	175	11·1	5·7	15
195	4·6	180	6·2	175	6·9	175	6·2	175	5·9	175	6·2	175	5·9	180	3·9	275	8·9	285	10·2	280	7·2	270	8·2	6·2	16
275	9·5	285	9·2	275	9·5	270	7·9	270	8·5	270	6·6	275	8·5	280	7·9	285	6·9	280	7·2	285	7·9	275	6·9	**9·2**	17
250	6·6	255	5·9	255	5·6	255	5·6	255	4·9	255	4·6	255	3·0	255	3·0	255	2·6	255	3·9	255	3·6	255	2·3	6·2	18
225	5·9	225	6·6	220	3·9	210	3·9	190	4·3	195	4·3	195	2·6	190	3·9	175	3·6	175	4·9	175	4·6	175	5·6	3·6	19
200	5·2	190	5·2	195	4·9	195	3·9	205	4·6	200	3·0	195	3·6	190	3·3	190	2·6	190	3·3	190	2·6	190	3·0	4·4	20
215	3·3	220	4·9	215	4·3	215	3·0	195	3·3	195	3·3	205	2·6	205	1·6	200	2·6	185	2·3	230	1·6	—	0·7	2·7	21
255	6·9	260	6·6	275	7·5	275	5·9	275	6·2	270	5·6	280	2·0	—	0·7	35	2·3	—	1·3	35	2·6	5	3·9	3·5	22
310	6·6	310	6·2	315	5·6	280	3·6	295	3·6	295	2·3	295	2·3	280	1·6	—	1·0	205	2·0	205	2·0	200	2·6	4·3	23
275	8·9	280	9·8	280	9·2	275	9·8	275	9·8	280	10·5	280	9·8	280	12·5	280	9·8	285	11·5	280	11·5	285	11·5	8·3	24
325	6·2	320	5·9	330	5·9	330	5·9	330	4·6	330	4·3	330	2·3	—	0·0	—	0·3	—	0·3	—	1·3	—	0·7	5·7	25
175	6·9	190	5·9	240	4·9	165	3·3	—	1·3	170	3·6	230	4·6	230	2·3	195	2·6	200	3·0	220	3·9	220	4·3	4·9	26
215	5·9	220	6·6	225	7·2	230	7·9	230	6·6	225	5·9	225	4·9	225	4·6	260	2·3	260	2·3	260	2·0	—	0·7	4·9	27
310	4·3	305	4·3	295	4·3	290	3·3	305	2·3	315	1·6	—	1·3	—	0·3	—	0·3	—	0·3	—	0·7	—	0·3	**1·7**	28
175	7·9	175	8·2	175	8·5	175	8·5	175	8·9	175	8·9	175	6·2	270	4·9	315	6·6	330	4·3	325	2·6	320	3·3	4·8	29
315	5·9	325	5·2	315	3·6	310	5·2	320	6·6	315	6·2	315	5·2	325	5·2	315	5·9	325	5·6	335	3·9	335	4·9	3·8	30
290	4·9	285	5·6	285	5·9	280	5·6	285	5·2	285	4·6	300	2·6	310	2·6	315	2·3	315	2·6	320	3·6	320	3·0	4·3	31
—	5·7	—	**5·7**	—	5·5	—	5·3	—	4·9	—	4·7	—	4·0	—	3·6	—	3·6	—	3·7	—	**3·6**	—	3·7	4·4	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

349. Cahirciveen (Valencia Observatory) : H_a (height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	345	3·0	350	2·0	—	1·3	325	3·3	335	3·9	345	3·9	330	5·9	325	5·2	330	5·9	330	6·6	340	5·2	340	6·9
2	345	3·6	350	3·0	360	3·3	360	3·0	360	3·0	360	3·3	—	1·3	—	1·3	360	3·0	330	2·3	325	2·6	315	2·3
3	155	4·9	165	4·9	175	5·2	170	6·6	170	4·6	200	2·6	240	5·9	265	4·9	285	4·9	295	3·9	275	3·0	275	5·2
4	—	0·0	—	0·0	—	0·0	—	0·3	—	0·7	—	0·3	—	0·3	—	0·0	—	0·0	—	1·0	10	1·6	215	2·0
5	150	3·3	155	3·9	160	5·9	160	6·6	165	6·9	165	5·2	160	4·9	160	4·6	160	4·6	170	5·6	170	4·6	180	5·6
6	35	1·6	—	1·0	—	1·3	—	1·3	—	0·7	—	0·3	—	1·0	40	2·0	25	4·3	55	3·9	35	3·9	15	4·3
7	40	2·0	40	1·6	—	1·0	40	1·6	—	0·7	40	1·6	—	1·3	—	0·3	—	0·3	—	0·0	—	0·3	—	1·3
8	—	0·3	—	0·0	—	0·3	—	0·3	—	1·0	—	0·3	30	1·6	50	3·0	60	5·6	65	4·6	45	7·2	45	3·6
9	—	0·7	—	1·3	—	1·3	70	3·3	65	2·3	20	2·0	50	1·6	—	1·0	—	1·0	10	3·3	20	2·3	345	3·0
10	—	0·0	—	0·0	—	0·3	—	0·3	—	0·0	—	0·3	—	0·0	—	0·3	—	0·3	—	1·3	345	2·6	315	3·6
11	—	0·0	—	0·3	—	0·0	—	1·0	—	0·7	—	0·3	—	0·0	—	1·0	245	4·3	245	3·6	245	3·3	245	4·3
12	185	6·6	220	6·6	235	5·9	235	5·9	210	4·6	210	4·3	195	4·6	225	6·9	230	7·9	280	7·9	285	9·5	285	9·5
13	290	10·8	310	11·1	325	12·1	315	15·1	310	15·1	310	15·1	310	15·7	310	14·8	315	14·8	315	15·7	325	16·1	325	13·4
14	330	12·8	335	11·8	335	10·5	335	10·8	340	10·8	340	9·8	340	8·9	340	9·5	340	9·8	340	9·8	340	11·1	340	10·5
15	330	9·8	330	9·8	335	8·2	335	7·5	335	8·2	330	7·5	330	7·5	330	7·2	330	6·6	325	6·2	340	5·2	320	3·9
16	170	5·9	175	5·2	175	6·2	180	5·6	180	4·6	180	5·2	180	4·3	190	3·6	205	4·3	195	5·2	185	6·6	185	6·6
17	250	7·9	265	7·2	265	9·2	265	7·9	265	8·9	265	9·8	270	9·8	265	9·2	270	8·9	270	9·5	270	8·9	280	10·8
18	280	4·3	280	3·3	270	4·9	295	3·0	280	2·3	250	3·9	250	2·6	245	3·9	240	5·9	230	5·2	230	6·9	230	8·2
19	195	9·2	210	11·1	215	12·5	215	12·1	220	11·5	220	12·1	220	12·5	225	11·1	225	11·1	225	10·2	225	10·5	230	10·8
20	255	4·3	260	2·6	260	2·6	260	2·3	260	2·0	260	2·3	260	2·3	240	2·0	220	2·6	200	2·6	185	4·3	180	3·9
21	195	4·9	195	4·6	200	5·2	190	5·2	185	4·6	185	4·6	190	4·3	200	4·3	200	4·9	185	3·9	190	4·3	170	4·6
22	170	2·3	—	1·3	—	1·3	155	1·6	155	1·6	—	1·3	155	2·0	155	2·3	155	2·6	160	2·3	—	0·7	—	1·0
23	—	1·0	—	0·7	—	0·0	—	1·3	—	0·7	—	0·0	—	0·3	—	0·3	—	0·0	—	0·0	—	0·3	—	0·7
24	—	0·0	—	0·0	—	0·0	—	0·0	—	0·3	—	0·0	—	0·7	—	0·0	—	0·0	—	0·0	—	0·3	—	0·7
25	145	13·1	150	13·8	145	15·7	145	15·4	150	14·4	150	15·1	150	14·8	150	13·4	150	12·1	160	10·2	160	9·8	170	11·8
26	150	11·5	145	12·8	140	10·5	135	11·8	130	11·8	115	10·8	105	10·5	100	8·5	105	6·6	95	5·9	80	4·6	75	3·6
27	50	7·5	35	7·9	25	6·6	30	8·9	30	9·5	30	11·1	25	10·8	30	9·8	30	9·5	25	8·2	25	7·9	35	9·2
28	—	0·3	—	0·0	—	0·0	—	0·0	325	4·9	310	3·9	325	3·3	325	1·6	—	1·3	295	5·2	295	4·9	300	4·6
29	—	1·0	—	0·0	—	0·3	—	1·3	305	1·6	35	1·6	—	1·0	—	0·7	—	0·0	170	3·8	165	4·6	175	4·9
30	170	6·6	170	5·2	170	3·3	170	1·6	—	1·0	—	0·3	—	0·0	170	2·0	170	1·6	—	1·0	170	2·0	175	4·9
Mean ...	—	4·6	—	**4·4**	—	4·5	—	4·8	—	4·8	—	4·6	—	4·7	—	4·5	—	4·8	—	5·0	—	5·2	—	5·5

350. Cahirciveen (Valencia Observatory) : H_a = 12 metres + 14 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·7	—	0·0	—	0·0	—	0·3	—	0·0	—	0·3	—	0·7	—	0·3	—	0·7	—	0·0	—	0·3	—	1·0
2	—	0·7	—	0·7	—	0·0	—	1·0	—	1·3	—	1·0	—	0·7	—	0·0	—	0·0	—	0·0	185	2·0	170	2·0
3	155	3·0	155	3·0	160	5·2	160	5·2	160	5·6	160	5·6	160	4·6	160	5·6	165	5·2	185	4·9	175	5·9	175	6·2
4	185	5·6	180	5·9	180	5·6	180	5·6	180	4·9	180	4·6	180	3·9	180	4·9	180	5·6	180	6·6	180	6·2	180	7·2
5	220	8·9	235	10·5	240	10·2	240	11·1	240	11·5	240	10·2	250	8·9	255	9·5	270	9·8	270	9·8	280	10·2	280	9·8
6	360	3·0	360	3·6	5	3·6	10	3·0	5	4·3	360	4·6	360	4·3	360	3·0	360	3·6	5	3·0	10	4·3	30	3·9
7	—	1·0	—	1·0	—	0·7	—	0·3	—	0·0	—	0·0	—	0·3	—	0·0	—	0·0	—	0·7	70	3·0	295	3·9
8	260	2·0	—	1·3	260	2·0	—	1·3	—	1·3	—	1·3	—	1·0	—	1·3	—	1·3	—	0·5	—	0·5	—	1·2
9	60	2·4	65	3·2	60	1·8	—	0·5	—	1·5	—	1·0	60	2·8	55	3·5	—	1·0	—	0·7	—	0·3	—	1·0
10	—	1·0	35	1·6	35	1·6	35	2·6	35	2·3	—	1·3	—	1·0	65	2·0	55	2·0	—	1·0	155	3·3	165	3·6
11	160	5·2	150	5·9	150	6·6	155	5·6	155	6·2	165	5·2	175	5·2	175	6·2	175	6·6	175	6·2	175	5·6	175	6·6
12	170	6·9	175	5·6	185	5·6	190	7·5	190	7·5	185	7·5	180	7·9	175	8·2	175	7·5	170	7·5	170	7·9	170	7·5
13	140	12·1	140	11·1	140	11·1	140	11·8	140	12·5	140	13·4	140	12·1	140	12·8	140	14·4	145	12·1	145	12·5	145	11·5
14	145	9·2	145	8·2	150	7·2	155	7·9	150	6·9	140	3·3	120	2·6	95	4·6	80	4·3	95	8·2	95	9·2	95	8·2
15	100	5·6	105	8·2	85	5·9	95	7·9	90	4·3	75	3·9	45	3·0	95	7·2	95	11·1	95	12·5	95	13·1	95	13·1
16	95	11·5	35	4·6	20	5·2	25	3·9	25	5·2	20	6·9	45	4·3	100	12·5	100	12·8	105	10·2	85	7·2	85	6·6
17	80	6·2	75	4·9	65	5·2	60	6·9	60	7·5	75	8·2	85	9·2	80	5·2	85	4·9	95	6·2	105	6·9	110	6·9
18	110	8·5	110	12·1	110	13·1	110	12·5	105	11·1	100	12·5	95	13·8	95	16·1	100	16·4	110	15·4	105	14·1	110	15·1
19	85	5·2	90	6·2	90	9·5	95	10·2	95	8·2	95	6·6	90	5·6	85	3·9	70	2·6	70	3·3	65	4·6	70	3·0
20	105	3·6	95	4·6	95	4·6	80	5·2	85	6·6	85	5·9	70	5·2	85	3·6	60	8·5	50	9·8	65	9·2	70	8·5
21	70	6·9	75	6·6	75	6·9	70	7·2	75	6·2	75	6·2	65	7·2	65	6·6	55	6·9	50	6·9	60	6·6	60	6·9
22	65	4·6	85	5·2	80	3·3	50	3·0	55	4·3	70	6·6	80	3·6	80	1·6	65	3·3	40	3·0	45	4·3	70	4·6
23	90	3·0	90	3·9	100	4·3	95	3·9	90	4·6	85	4·9	80	7·5	75	6·6	80	6·9	80	6·9	85	7·5	90	4·9
24	85	3·9	85	5·6	85	4·3	85	4·6	85	5·6	85	4·3	85	5·2	90	5·2	95	5·2	95	4·3	95	3·6	95	3·6
25	95	5·2	95	5·6	110	5·9	135	5·9	105	4·9	105	6·9	110	4·9	110	4·9	115	5·2	140	5·2	140	4·9	140	3·9
26	125	7·9	130	7·9	130	8·2	135	7·9	135	8·5	135	9·2	135	10·2	130	11·5	135	10·8	130	10·2	115	10·5	115	10·5
27	90	5·9	75	4·3	70	6·2	75	8·5	75	8·2	75	5·6	75	8·5	70	7·9	80	2·3	65	3·9	55	5·9	55	7·5
28	55	6·2	70	6·6	60	4·6	65	4·6	65	6·6	65	4·9	75	4·9	85	6·6	65	5·9	60	7·2	60	8·2	60	7·9
29	65	4·3	65	5·6	65	5·6	50	7·9	50	6·2	45	6·9	50	5·9	55	6·6	55	6·9	55	6·9	65	6·6	65	7·9
30	20	9·8	35	9·8	25	9·2	25	8·5	25	9·2	25	9·8	25	7·9	30	7·5	45	6·6	35	6·6	30	6·6	35	6·6
31	45	2·0	45	1·6	—	0·7	45	2·3	45	2·3	45	2·0	—	1·3	45	2·0	70	1·6	130	3·0	180	3·3	200	3·9
Mean ...	—	5·2	—	5·3	—	5·3	—	5·6	—	5·7	—	5·5	—	5·3	—	5·7	—	5·8	—	5·9	—	6·3	—	6·3
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

Averages for periods of sixty minutes centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 12 metres + 14 metres.

September, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
330	7·5	330	7·2	340	8·5	330	7·9	340	6·9	345	7·2	340	6·2	340	4·9	340	4·6	340	3·9	340	4·3	340	4·6	5·3	1
315	2·6	305	2·6	290	3·0	280	3·0	280	2·6	—	1·3	—	0·7	—	0·0	—	1·3	180	3·0	160	3·0	155	4·3	2·5	2
270	4·6	270	5·2	275	3·9	275	3·6	290	2·3	295	2·3	—	1·0	—	0·7	—	0·0	—	0·0	—	0·0	—	0·0	3·4	3
210	2·0	190	2·6	185	2·6	180	3·9	180	3·9	170	3·3	170	2·6	170	2·0	170	2·6	170	2·6	160	3·9	145	3·3	1·7	4
180	5·2	180	3·9	180	3·0	290	3·9	335	5·2	340	4·6	340	6·6	340	5·9	345	5·2	350	4·3	—	0·7	—	1·0	4·7	5
5	4·6	350	5·2	345	5·2	330	5·6	325	6·9	335	7·2	335	3·9	—	0·3	—	0·7	—	0·7	—	0·0	—	0·0	2·8	6
135	2·6	335	3·0	335	3·6	305	4·9	5	2·6	35	3·0	45	2·6	70	3·6	75	3·3	65	1·6	50	2·0	—	1·0	1·9	7
50	4·3	10	3·6	360	5·6	15	3·9	40	3·6	35	5·2	40	3·6	70	2·3	50	3·0	—	0·7	—	0·3	—	1·0	2·7	8
325	4·6	325	4·9	325	4·9	10	3·6	20	3·0	50	3·3	35	3·0	30	2·0	—	0·7	—	0·7	—	0·0	—	0·0	2·3	9
315	3·9	305	4·6	305	5·6	305	5·2	305	5·6	310	4·3	330	3·0	—	0·3	—	0·0	330	1·6	—	0·3	—	0·0	1·8	10
245	4·3	240	5·2	220	4·3	220	4·3	210	3·6	195	3·6	190	3·3	190	3·9	185	4·3	180	4·3	190	5·9	175	5·6	2·9	11
285	11·8	285	11·1	280	11·8	285	11·8	285	12·1	285	12·5	280	12·8	285	13·1	285	12·1	285	12·8	285	11·5	285	12·5	9·3	12
325	14·8	325	13·1	325	15·1	325	13·4	320	14·1	320	13·8	320	14·8	320	13·4	320	13·1	325	13·4	325	12·5	325	13·8	**13·9**	13
340	10·5	340	10·5	335	10·8	335	11·8	340	11·5	335	10·8	330	11·8	335	11·1	345	9·8	345	9·5	335	9·2	335	9·5	10·6	14
305	3·9	295	3·0	275	3·3	265	3·0	260	3·3	260	2·3	210	2·6	185	3·3	185	3·9	175	4·9	175	5·9	175	5·9	5·6	15
200	7·5	220	8·2	235	9·5	240	7·9	240	8·9	235	9·5	240	7·9	240	8·9	240	8·2	240	9·8	240	7·5	240	8·5	6·8	16
280	10·8	280	10·8	280	10·8	285	10·5	285	9·2	300	6·9	290	5·9	295	5·2	295	5·9	290	5·2	290	4·9	290	4·3	8·4	17
225	7·9	225	7·2	230	6·9	230	7·5	225	5·6	225	5·9	215	6·2	195	4·6	190	6·2	185	6·9	190	7·2	195	8·5	5·5	18
230	10·8	230	9·5	230	9·8	230	9·2	230	9·5	230	10·5	230	11·8	235	12·1	240	12·5	240	11·1	245	10·8	260	5·9	10·8	19
170	5·6	170	7·9	180	5·2	180	4·3	185	5·6	195	5·6	200	4·9	190	5·2	190	5·6	185	5·2	190	4·9	195	5·2	4·1	20
160	5·6	165	4·9	185	3·0	180	3·9	170	4·3	170	4·3	170	3·6	170	2·3	170	3·0	170	3·0	170	2·6	170	3·0	4·2	21
250	1·6	—	1·3	305	2·0	290	2·0	—	0·3	200	2·3	—	0·7	—	0·3	195	2·3	185	3·0	—	1·3	—	1·3	1·6	22
—	1·3	—	1·0	—	0·3	—	1·0	—	1·3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	1·0	**0·5**	23
—	1·0	190	3·3	175	4·3	170	4·9	165	3·9	175	2·3	170	4·9	155	4·9	150	6·2	145	7·2	150	10·2	150	11·5	2·6	24
170	13·1	170	13·1	170	12·8	170	13·1	165	12·1	165	11·5	165	11·8	165	11·5	165	11·1	155	11·8	155	10·8	150	12·1	12·7	25
80	3·6	70	3·6	65	3·3	55	2·0	60	2·3	65	2·3	45	2·6	45	3·0	55	4·6	60	4·9	60	5·6	60	5·6	6·5	26
25	7·2	15	5·6	20	5·2	20	4·9	5	3·3	50	3·6	60	2·0	—	0·7	—	0·3	—	0·0	—	1·0	—	1·3	6·0	27
285	6·2	300	8·2	320	9·8	330	9·5	335	7·2	320	7·2	320	6·2	320	3·9	320	3·9	320	3·6	320	3·6	295	3·0	4·2	28
160	5·9	160	6·6	155	6·9	150	7·5	160	9·2	155	9·8	165	8·2	165	9·5	165	11·1	165	10·2	170	8·5	170	8·2	5·0	29
175	4·6	170	3·9	185	3·9	200	3·9	235	4·6	255	4·6	270	3·3	300	3·0	—	0·3	—	0·0	—	0·0	—	0·0	2·7	30
—	6·0	—	6·0	—	**6·2**	—	6·1	—	5·8	—	5·7	—	5·3	—	4·7	—	4·9	—	4·9	—	4·6	—	4·7	5·1	

October, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
—	0·7	—	0·3	—	1·0	200	1·6	—	1·3	—	0·3	—	0·3	—	0·7	—	0·7	—	0·7	—	0·7	—	1·3	**0·6**	1
175	2·0	180	2·0	180	2·0	180	2·3	—	1·0	—	1·0	—	0·3	145	3·0	130	3·0	140	2·3	150	3·0	160	3·9	1·4	2
175	6·9	175	6·9	175	6·6	175	7·9	175	6·2	175	5·9	175	6·2	175	7·5	175	7·5	175	7·2	175	6·6	180	5·9	5·8	3
185	6·9	190	6·2	195	6·6	195	6·6	190	6·9	195	6·9	195	5·9	200	4·9	200	5·2	200	5·6	205	7·2	220	9·2	6·0	4
285	10·8	295	8·9	310	7·2	315	7·9	315	7·9	320	8·2	330	8·2	330	7·2	350	5·9	360	5·2	360	4·6	360	3·6	8·7	5
30	3·6	15	4·9	10	3·3	5	3·9	360	2·6	—	1·3	—	0·3	—	1·3	70	3·6	70	3·3	—	1·3	70	1·6	3·2	6
265	4·3	260	4·6	260	3·9	260	3·0	260	2·0	—	0·3	—	0·3	—	0·7	260	1·6	—	1·3	260	2·0	260	1·6	1·5	7
325	2·7	320	3·2	310	2·2	260	1·6	—	1·3	—	0·5	—	0·5	—	1·5	55	1·7	60	2·1	65	1·6	65	2·2	1·5	8
—	1·3	240	3·0	—	1·0	—	1·3	—	0·0	—	0·7	—	1·3	—	1·0	—	1·3	—	1·3	—	0·3	—	1·3	1·4	9
165	3·3	165	3·6	165	3·3	170	3·3	170	3·0	165	3·6	155	3·6	145	3·9	145	4·6	145	4·6	145	5·2	150	5·2	2·9	10
175	7·2	175	6·9	175	8·2	175	6·9	170	7·9	170	8·5	170	7·9	170	8·5	170	7·9	170	8·5	170	8·5	170	7·9	6·9	11
170	8·5	170	10·2	165	9·2	155	9·5	145	9·8	145	10·2	145	10·5	145	10·8	145	12·8	140	11·8	145	12·8	145	11·8	8·9	12
140	13·4	140	11·1	140	11·1	140	11·5	140	11·8	135	10·5	135	10·5	135	8·9	135	9·5	140	8·9	140	9·2	145	9·5	**11·4**	3
95	9·2	100	9·5	105	8·2	100	8·5	105	9·5	100	7·5	100	8·9	95	7·2	110	8·2	105	7·5	90	7·2	80	5·2	3·3	14
105	12·5	105	13·8	100	10·5	95	13·1	85	12·5	100	14·1	105	13·1	105	12·8	105	13·4	105	12·5	105	12·5	100	11·1	10·2	15
85	6·2	90	5·6	85	5·6	75	5·2	60	6·9	65	6·6	65	4·6	80	5·2	80	5·2	70	5·2	90	5·9	95	3·6	6·7	16
110	8·9	105	8·5	110	8·9	110	9·5	105	9·8	100	10·2	100	9·8	105	11·1	105	10·2	110	9·2	110	9·2	110	8·5	7·9	17
110	15·1	110	12·1	105	8·5	105	13·1	105	9·8	100	7·9	100	8·9	105	7·5	100	6·2	90	6·9	95	6·6	100	6·6	11·3	18
65	5·6	80	4·9	75	4·9	70	3·9	65	3·6	65	1·6	50	2·6	50	2·0	45	2·0	55	1·6	85	2·3	80	2·6	4·5	19
70	7·9	60	6·9	50	6·6	55	6·6	55	4·3	35	3·3	45	3·9	70	5·6	70	8·2	70	2·6	75	5·6	70	7·9	5·9	20
60	8·9	70	9·2	75	7·5	75	8·2	80	6·6	80	4·9	90	6·2	70	4·6	65	2·3	55	2·6	55	2·0	65	4·3	6·3	21
75	5·6	90	3·9	75	3·9	70	3·9	90	2·0	95	2·3	90	2·0	95	1·6	—	0·3	—	1·0	85	2·0	85	2·0	3·3	22
70	3·3	65	3·0	65	3·0	65	2·6	65	2·6	65	2·6	65	2·0	70	3·3	75	3·3	85	4·6	85	4·9	85	4·6	4·3	23
100	4·3	105	4·6	100	5·2	105	4·6	105	3·3	105	2·0	105	3·9	110	3·9	110	4·3	110	4·3	105	4·6	105	5·6	4·4	24
150	6·2	145	6·6	140	6·2	130	6·9	120	5·9	110	5·9	120	4·9	130	9·5	115	7·2	115	6·2	130	7·9	130	7·9	6·0	25
115	9·5	110	10·5	105	11·8	110	11·1	105	9·5	105	9·2	105	12·5	110	10·8	105	8·9	95	4·6	105	6·2	90	3·0	9·3	26
60	5·9	50	6·2	55	7·5	50	5·9	50	6·2	60	4·3	55	4·3	55	5·6	45	5·9	45	4·3	45	5·6	50	4·9	5·8	27
60	6·6	55	7·9	50	7·2	55	8·5	60	6·6	60	6·6	60	5·9	60	4·9	60	4·6	60	5·9	60	5·2	75	5·6	6·2	28
45	8·9	35	8·9	40	9·8	40	9·2	40	9·2	35	10·2	35	11·5	30	11·5	20	10·2	20	11·1	25	10·8	30	10·5	8·2	29
30	5·6	30	5·6	25	6·6	10	7·9	5	7·9	10	5·2	10	4·9	25	4·6	45	2·6	—	1·0	—	1·3	—	1·3	6·5	30
190	4·6	215	4·9	205	4·9	185	5·6	195	6·6	210	6·2	185	4·9	180	5·2	175	7·2	170	7·2	165	10·5	165	10·8	4·2	31
—	**6·7**	—	6·6	—	6·2	—	6·5	—	6·0	—	5·4	—	5·5	—	5·7	—	5·7	—	**5·2**	—	5·6	—	5·5	5·6	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

351. Cahirciveen (Valencia Observatory): H_a (height of cups of anemograph above M.S.L.) = Height of ground

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	175	9·8	195	9·5	225	9·5	235	10·2	310	7·5	340	10·5	350	9·8	350	8·9	350	9·8	355	9·5	340	9·5	340	9·2
2	350	3·6	350	2·6	360	2·6	10	3·0	345	3·9	295	2·0	265	2·3	—	1·3	—	1·3	—	1·0	160	2·3	240	2·0
3	80	4·9	70	5·9	60	3·3	50	2·3	75	3·9	50	3·6	50	3·6	—	1·3	55	1·6	—	1·0	360	2·3	—	1·3
4	20	3·6	5	9·8	5	8·5	10	8·2	30	5·6	5	6·6	5	5·2	335	4·9	15	5·9	330	3·9	340	3·9	330	3·9
5	150	3·9	160	5·6	175	7·5	175	7·9	175	7·5	170	8·9	160	8·5	160	10·2	160	11·1	160	10·5	170	9·2	170	9·2
6	215	8·9	210	7·9	225	8·5	230	11·5	245	11·5	255	11·8	260	11·8	255	10·5	255	10·8	265	12·8	275	13·8	265	14·1
7	290	12·8	310	9·8	305	9·5	310	9·5	315	9·5	305	9·5	295	8·9	305	9·2	295	8·2	295	8·2	290	6·2	285	7·2
8	165	3·3	160	3·9	145	3·6	110	2·6	85	2·0	—	1·0	85	2·0	75	2·3	—	1·3	—	0·3	360	2·6	—	1·3
9	35	2·0	35	2·0	40	2·6	—	1·0	55	2·0	—	0·7	105	3·0	150	4·6	150	5·2	150	7·2	160	7·5	165	7·2
10	170	9·2	165	10·5	180	8·2	305	5·2	285	6·9	300	5·6	290	3·3	280	5·6	295	3·6	290	4·6	300	3·9	285	3·6
11	360	2·6	360	2·6	360	2·3	360	2·3	360	2·3	—	1·0	—	0·3	10	1·6	35	1·6	—	1·0	—	1·0	270	3·3
12	170	5·2	170	4·3	170	3·3	170	3·6	175	5·2	175	3·3	175	4·3	175	6·6	175	5·9	175	6·6	175	6·2	175	6·6
13	175	4·3	180	4·6	180	5·6	180	4·6	175	6·2	175	5·6	175	6·2	175	4·9	175	5·9	175	4·9	175	5·2	160	4·6
14	—	1·0	—	0·7	—	1·0	—	0·7	—	0·3	—	1·0	—	1·0	—	0·7	—	1·0	—	1·0	—	0·3	—	0·3
15	50	1·6	—	1·0	50	2·0	50	2·3	—	1·0	—	1·3	50	2·3	50	2·0	—	1·0	—	1·0	—	0·7	—	0·0
16	110	2·0	—	1·3	115	2·3	130	2·3	—	1·3	125	2·0	120	2·0	135	3·3	135	3·3	—	1·3	—	1·3	—	1·3
17	—	1·3	—	1·3	70	1·6	70	1·6	60	3·0	40	2·3	50	2·0	50	1·6	—	1·3	—	0·3	—	1·3	—	1·0
18	15	2·3	355	3·3	360	3·3	10	3·6	10	3·3	360	2·0	360	3·3	10	3·0	360	4·6	350	3·9	340	3·6	340	5·2
19	25	5·2	340	2·3	15	2·3	—	1·0	350	1·6	—	1·0	—	1·0	5	4·3	5	4·3	10	3·3	10	2·6	350	2·3
20	—	0·7	—	1·0	—	1·3	—	0·7	—	1·0	55	2·3	—	1·3	—	1·3	45	2·0	—	1·3	55	2·0	—	0·3
21	60	1·6	60	1·6	—	0·3	—	0·0	—	0·7	—	1·0	60	1·6	—	0·3	—	0·7	95	2·3	135	2·3	120	1·6
22	—	1·0	160	1·6	140	5·6	135	2·3	—	0·7	140	3·0	155	4·3	145	4·9	140	3·6	—	0·7	145	3·3	155	3·0
23	160	3·3	160	1·6	160	3·9	160	3·3	165	2·0	165	3·3	150	2·6	150	3·0	150	3·3	150	3·3	155	3·3	155	3·6
24	—	1·3	—	1·0	—	1·3	70	2·0	—	1·0	70	1·6	—	1·3	—	1·0	—	0·3	—	1·3	—	0·7	—	0·3
25	75	2·3	—	1·3	—	0·7	—	1·3	—	1·3	80	1·6	—	1·3	80	2·0	—	1·3	—	0·7	—	0·0	—	0·7
26	65	1·6	—	1·0	—	1·0	—	1·3	—	0·3	—	1·0	—	1·0	—	0·7	340	3·3	305	2·6	300	3·3	310	5·2
27	350	3·6	355	3·9	350	4·9	350	5·6	350	5·6	350	4·6	350	4·3	355	2·6	355	2·6	350	2·3	340	2·6	325	2·6
28	65	2·3	65	2·0	65	1·6	—	1·0	—	0·7	—	0·3	—	0·3	—	0·3	305	3·6	285	6·6	285	6·2	290	4·9
29	290	3·3	295	3·3	290	4·6	290	4·3	290	3·9	295	2·3	—	0·7	—	0·7	—	1·3	—	0·3	—	1·3	345	1·6
30	170	5·6	175	4·9	175	6·6	175	6·9	175	7·2	175	7·5	175	7·9	175	7·9	180	7·5	180	7·2	190	6·9	210	8·2
Mean ...	—	3·8	—	3·7	—	4·0	—	3·7	—	3·6	—	3·6	—	**3·6**	—	3·7	—	3·9	—	3·7	—	3·8	—	3·9

352. Cahirciveen (Valencia Observatory) : H_a = 12 metres +14 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	275	7·5	290	7·5	290	9·8	300	7·2	290	9·5	300	9·5	295	8·9	310	7·9	300	8·5	310	7·9	300	7·5	305	6·6
2	—	0·7	315	3·6	—	1·0	—	0·7	—	0·3	—	1·3	320	2·3	360	2·0	355	2·0	—	1·3	—	0·3	—	0·3
3	—	0·7	—	1·0	—	0·7	—	1·0	—	0·7	—	1·0	—	0·3	—	0·0	—	0·3	—	1·3	150	2·6	155	3·3
4	155	2·3	155	2·3	155	2·0	170	1·6	210	2·3	195	2·0	—	1·0	105	1·6	145	2·0	—	1·0	—	0·7	150	2·6
5	215	3·0	195	2·6	195	2·3	210	3·9	220	3·6	220	3·6	220	3·6	225	3·6	230	4·3	230	3·6	225	4·6	230	7·5
6	355	3·3	10	2·0	—	1·0	—	1·0	—	0·7	25	2·0	10	2·0	355	3·0	350	3·0	350	2·0	340	1·6	340	2·0
7	45	3·0	—	1·3	55	2·0	55	2·0	—	1·3	—	1·3	—	0·7	—	1·0	95	1·6	135	2·0	190	3·3	215	4·6
8	260	5·2	255	4·9	260	5·6	255	5·2	250	4·9	260	3·9	280	4·9	285	2·6	280	3·0	280	4·3	270	3·6	275	6·6
9	—	0·3	—	0·3	—	0·7	—	0·3	—	0·3	—	1·0	—	1·0	45	1·6	—	1·0	—	1·0	45	1·6	45	2·0
10	—	0·7	—	0·0	—	0·0	—	0·3	—	1·0	130	3·6	125	3·6	130	3·0	135	3·0	150	2·6	145	4·3	150	3·3
11	170	5·9	155	6·6	160	5·6	160	6·6	160	7·9	160	8·9	160	8·2	170	7·9	170	8·9	170	10·2	170	10·5	170	8·9
12	190	4·3	190	3·9	190	4·6	190	4·6	185	4·6	180	5·2	180	5·9	180	6·9	180	6·9	175	7·9	175	9·2	180	9·8
13	185	10·5	185	10·2	180	9·8	180	9·5	180	9·8	180	9·5	195	8·9	300	2·0	310	2·6	80	1·6	160	5·6	180	6·2
14	220	2·6	225	2·0	235	1·6	265	3·0	290	1·6	—	1·0	—	0·3	—	0·3	—	0·0	—	1·0	—	1·3	—	0·0
15	—	0·3	—	0·3	90	2·3	55	2·0	60	3·6	65	3·3	50	4·3	65	3·6	40	6·2	5	6·9	15	3·6	10	3·9
16	25	1·6	—	1·0	40	3·3	—	1·3	85	1·6	60	2·0	125	3·3	135	4·6	130	4·9	145	6·9	250	5·2	260	2·3
17	260	6·9	275	7·2	280	5·9	255	3·6	—	1·3	75	2·3	100	2·3	150	4·9	130	5·2	120	5·6	110	7·9	110	9·2
18	235	8·9	235	9·8	240	12·1	225	8·9	230	10·5	220	9·8	210	8·9	205	10·2	210	10·8	220	13·1	220	12·8	220	13·1
19	245	10·1	240	10·4	240	15·7	240	15·1	245	15·1	255	14·4	255	13·1	255	12·1	240	12·8	255	12·1	230	5·2	240	7·2
20	270	10·5	285	11·5	295	9·2	305	4·6	275	9·2	270	9·5	270	7·9	270	7·9	330	4·3	290	6·6	285	9·2	300	9·2
21	210	3·3	190	3·3	185	4·6	180	6·2	175	8·9	170	10·8	165	13·4	165	14·8	170	12·8	180	8·2	220	9·5	230	9·8
22	210	13·8	205	12·8	205	14·8	205	15·1	205	13·8	205	12·5	220	17·4	220	14·8	230	15·1	225	15·1	225	15·4	230	16·1
23	280	18·0	280	16·7	280	17·4	275	15·7	275	15·4	280	14·8	280	13·1	275	13·1	280	12·5	285	11·1	285	14·1	285	11·5
24	300	8·9	320	9·5	300	7·9	295	7·9	290	9·8	275	9·5	275	8·9	295	7·5	275	8·2	270	7·2	250	6·6	245	7·2
25	190	11·8	185	11·5	190	11·8	200	12·1	225	13·8	230	15·7	240	15·7	240	15·1	240	18·7	235	14·4	245	18·0	245	17·0
26	255	10·8	260	12·1	255	11·5	260	9·8	255	12·1	265	11·5	265	8·5	260	8·2	250	10·2	245	9·5	235	6·6	240	8·2
27	250	4·9	225	6·6	260	9·2	275	9·5	285	9·8	260	13·1	265	12·8	275	11·1	255	13·4	260	14·8	245	12·5	250	15·4
28	250	9·2	265	10·5	285	9·5	265	11·8	285	9·5	295	7·5	270	7·5	265	6·6	270	2·0	185	2·6	180	3·3	180	3·9
29	235	7·2	230	7·9	230	8·2	235	5·2	240	6·2	235	5·2	210	2·6	175	5·2	175	5·6	200	3·6	200	3·6	200	4·3
30	260	13·4	255	15·4	270	10·8	275	9·8	275	7·5	290	4·9	305	3·9	315	2·0	330	2·6	20	5·2	5	4·9	355	5·6
31	300	10·8	315	11·8	310	12·5	305	10·2	290	12·1	295	11·8	290	13·4	310	13·1	350	9·5	360	4·6	335	5·2	320	6·6
Mean ...	—	6·7	—	6·9	—	6·9	—	6·3	—	6·7	—	6·9	—	6·7	—	6·4	—	6·5	—	6·3	—	6·4	—	6·9
G.M.T.	1.		2		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

Averages for periods of sixty minutes centered at the exact hours, Greenwich Mean Time.

above M.S.L. + h_a (height of anemograph above ground) = 12 metres + 14 metres.

November, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
335	8·9	340	10·5	355	10·2	10	8·2	10	6·2	10	7·9	5	7·2	10	5·6	355	7·2	360	6·2	360	5·6	25	3·6	8·5	1
285	2·3	265	2·3	175	3·3	190	2·6	175	3·0	175	3·3	170	2·3	145	2·6	125	3·3	115	3·9	105	4·3	95	5·2	2·7	2
315	2·0	270	1·6	280	6·2	310	6·2	305	2·6	290	3·9	19	8·9	10	4·9	345	6·9	360	9·5	15	6·6	20	4·9	4·1	3
15	3·6	330	3·9	330	3·3	30	1·6	65	2·3	80	2·0	—	1·3	80	2·0	80	2·3	—	0·3	—	1·3	140	3·9	4·1	4
175	6·9	180	6·6	190	5·9	195	4·9	180	6·6	185	7·2	180	8·5	180	7·9	180	6·6	180	6·6	175	5·9	175	7·9	7·5	5
260	16·1	255	16·1	265	14·8	265	14·4	265	15·7	265	16·1	280	17·0	275	15·1	275	14·8	280	14·4	280	14·1	280	13·8	**13·1**	6
275	8·5	270	6·9	240	3·6	255	5·6	245	4·3	240	3·0	220	2·6	200	2·6	190	3·3	175	4·3	165	4·3	165	3·3	6·9	7
310	3·3	300	3·9	300	5·2	290	5·2	315	5·2	305	5·6	300	4·3	315	3·6	310	3·3	315	2·0	—	0·7	—	1·3	2·9	8
170	7·9	160	10·5	160	9·2	160	10·5	160	11·5	160	10·5	160	10·2	165	10·2	170	9·2	170	9·5	170	9·5	170	9·2	6·6	9
280	4·9	280	6·2	305	6·6	320	6·2	350	6·9	340	6·2	350	4·6	360	5·6	355	5·2	360	4·9	5	4·6	360	4·6	5·8	10
230	2·3	210	2·6	195	3·9	190	3·0	180	3·6	180	3·6	180	3·9	180	3·6	180	3·6	185	3·3	170	4·3	170	4·3	2·7	11
175	6·6	175	7·2	175	6·9	175	6·6	175	6·9	175	6·2	175	6·6	175	6·6	175	5·6	175	5·9	175	6·6	175	5·9	5·7	12
160	5·9	160	5·2	165	4·3	165	5·2	165	5·2	165	4·3	175	3·3	190	2·6	190	3·0	190	2·6	—	1·0	—	1·0	4·5	13
—	0·7	—	1·0	255	1·6	—	1·0	—	0·0	—	0·0	10	2·3	35	2·0	50	2·6	50	1·6	50	1·6	—	1·3	1·0	14
—	1·4	140	2·0	—	0·7	—	1·0	140	2·0	—	1·3	130	2·0	130	1·6	130	1·6	—	1·3	130	2·0	125	1·6	1·4	15
—	1·0	—	0·7	—	0·7	—	1·0	—	1·3	—	1·0	70	2·0	70	1·6	70	2·0	—	1·3	70	1·6	70	2·3	1·7	16
15	1·6	360	2·6	350	3·3	350	5·6	5	4·3	5	4·3	360	5·2	360	5·6	15	5·6	20	3·3	20	3·0	20	2·6	2·7	17
345	5·6	345	6·9	345	7·9	360	5·9	25	3·3	60	2·3	40	3·6	40	3·3	—	1·3	45	3·3	40	3·9	25	4·9	3·9	18
360	5·2	15	6·2	25	4·9	30	3·0	30	3·3	30	3·0	40	3·6	30	3·3	30	4·3	—	1·3	—	0·7	—	0·7	3·0	19
—	1·0	250	2·0	—	0·7	—	0·0	—	0·0	—	0·0	—	0·3	30	2·3	50	2·3	60	2·0	60	1·6	—	1·3	1·2	20
—	1·3	—	1·3	—	0·7	—	0·7	—	1·0	140	3·0	160	2·0	120	1·6	75	2·6	70	2·0	50	2·0	—	1·0	1·4	21
170	3·6	175	4·3	175	3·3	175	2·3	175	2·0	175	3·6	160	3·9	160	4·3	160	4·3	160	4·9	160	4·9	160	2·6	3·2	22
155	2·6	155	2·0	—	1·3	—	0·7	—	1·0	70	1·6	—	1·3	70	1·6	—	0·7	—	1·3	—	1·0	—	1·0	2·2	23
—	0·0	—	0·0	—	0·0	—	0·3	—	0·3	—	0·7	—	0·7	—	1·3	—	0·7	—	0·7	—	0·3	—	1·0	**0·8**	24
125	2·3	155	2·0	155	1·6	155	2·0	155	3·0	—	1·3	—	1·3	65	2·0	65	2·3	65	2·6	65	1·6	65	2·6	1·6	25
325	6·6	325	6·2	320	6·2	305	6·2	310	5·2	325	4·9	325	3·9	345	4·9	5	3·9	360	4·9	360	4·6	355	4·3	3·5	26
325	2·6	325	3·3	325	2·3	325	2·3	—	1·0	—	1·0	10	1·6	—	0·3	—	1·0	65	1·6	65	1·6	65	2·6	2·8	27
290	5·6	285	4·6	280	5·9	285	7·2	285	7·2	290	6·6	290	5·9	290	4·9	290	5·2	310	3·3	300	3·3	295	3·3	3·9	28
—	1·0	185	2·6	200	2·6	190	3·0	190	3·6	210	2·0	200	3·6	180	3·3	180	3·0	180	4·6	175	4·6	175	4·9	2·7	29
260	4·6	245	5·6	245	5·9	250	6·2	240	6·9	250	7·5	270	6·6	280	7·2	280	5·6	280	8·9	280	8·5	285	7·9	6·8	30
—	4·2	—	**4·6**	—	4·4	—	4·3	—	4·2	—	4·1	—	4·3	—	4·1	—	4·1	—	4·1	—	3·9	—	3·8	4·0	

December, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
310	6·9	310	6·2	320	5·6	330	4·9	340	4·9	350	2·0	345	3·6	345	3·3	345	2·6	—	0·7	—	0·7	335	1·6	6·0	1
—	1·3	—	1·3	—	1·3	340	1·6	—	1·0	—	0·7	—	0·7	—	0·0	—	0·0	—	0·7	—	1·0	—	1·0	**1·1**	2
160	3·6	160	2·6	160	2·6	160	3·0	160	2·3	—	1·0	160	2·3	130	1·6	—	1·0	115	1·6	155	2·0	155	1·6	1·6	3
200	2·0	210	2·6	220	3·0	205	2·3	200	2·3	200	2·0	200	2·0	200	1·6	200	2·0	210	2·3	215	2·0	215	2·6	2·0	4
240	8·5	240	8·9	250	8·2	270	8·5	310	6·2	320	5·9	330	8·2	330	7·9	330	5·9	340	4·6	345	4·6	345	4·3	5·3	5
340	2·6	320	3·0	315	3·0	350	2·0	—	1·3	—	1·0	—	0·7	—	0·7	—	1·0	—	1·0	—	1·3	45	2·3	1·9	6
245	5·9	245	3·9	245	5·2	250	4·6	255	4·6	260	4·9	275	3·9	285	3·0	285	2·0	285	1·6	270	3·3	260	4·3	2·9	7
290	5·9	305	4·9	325	4·9	335	3·9	—	0·7	335	2·0	335	2·3	—	0·0	—	0·7	—	1·3	—	0·7	—	0·0	3·5	8
45	1·6	70	2·3	—	1·3	125	1·6	—	1·3	—	0·7	—	1·3	—	1·0	115	2·0	115	1·6	—	1·3	115	2·0	1·2	9
150	4·6	145	3·9	145	5·2	140	6·2	140	4·9	150	5·6	135	6·9	150	4·6	150	4·9	150	5·9	160	6·2	170	5·6	3·7	10
170	8·2	170	9·2	170	9·5	170	9·8	170	10·2	170	9·8	175	10·2	180	8·2	180	7·2	180	7·2	180	5·9	190	4·9	8·2	11
180	9·5	180	8·5	180	8·9	180	8·5	180	8·9	180	9·2	185	9·5	180	8·9	180	9·5	180	9·2	180	8·5	185	9·8	7·5	12
180	6·6	180	8·5	190	4·3	190	5·6	190	6·9	190	6·2	200	4·9	195	5·6	200	4·9	205	5·2	200	4·9	195	4·3	6·5	13
—	0·0	—	0·3	—	0·0	—	0·7	—	1·0	185	2·0	100	2·6	100	2·3	—	1·0	—	1·3	—	0·3	—	0·7	1·2	14
20	6·9	15	7·9	20	5·2	15	3·3	10	4·3	15	4·6	30	3·6	35	3·0	25	1·6	—	1·0	—	1·3	—	1·0	3·5	15
240	8·2	240	6·2	265	9·5	265	9·8	275	10·5	290	9·5	275	9·8	280	11·5	280	12·1	275	10·8	280	9·2	275	9·8	6·3	16
100	9·2	110	8·5	105	5·9	135	3·3	175	5·9	225	7·9	245	12·1	245	10·2	245	8·9	240	8·5	235	7·2	235	8·9	6·6	15
220	14·1	220	13·1	220	13·1	220	13·4	225	12·8	220	12·1	215	11·8	220	11·1	230	13·1	235	13·1	240	15·1	240	17·0	11·9	18
235	9·5	245	9·8	240	8·9	235	6·6	240	7·2	220	5·6	240	5·9	230	4·6	255	8·5	205	3·0	195	2·0	235	8·5	10·0	19
295	10·8	305	7·9	300	10·5	310	9·5	305	11·5	305	10·5	295	8·9	300	7·9	300	7·2	295	6·9	300	3·9	265	4·3	8·4	20
215	5·6	185	5·9	175	7·9	215	10·5	220	5·9	210	9·2	210	10·5	210	11·8	210	9·5	220	11·1	215	11·8	210	12·5	8·9	21
225	12·8	225	12·5	230	10·2	230	8·5	245	12·1	270	13·1	275	16·1	275	16·1	275	17·0	280	17·4	280	17·7	285	16·7	**14·4**	22
285	10·8	290	9·8	275	9·2	310	9·5	305	3·3	285	9·5	310	9·5	295	6·2	315	7·9	300	7·9	300	8·9	310	9·5	11·5	23
235	6·6	235	9·5	215	6·2	200	5·9	200	5·9	190	6·6	190	7·2	190	9·2	185	8·9	190	9·2	190	10·5	185	9·8	8·1	24
245	16·4	250	16·4	250	16·4	255	14·1	255	13·8	255	14·1	250	13·8	260	12·1	255	13·8	250	13·4	255	11·8	260	13·4	14·3	25
235	7·9	230	7·5	225	8·5	225	8·9	230	8·9	230	7·2	230	9·2	230	8·2	230	8·9	230	7·9	245	7·5	250	7·5	9·2	26
275	16·1	280	15·4	285	16·7	280	14·8	295	13·4	295	10·8	290	11·5	275	12·8	280	10·5	260	11·1	270	12·1	260	9·5	11·9	27
165	5·9	140	8·5	150	12·1	155	9·8	200	7·9	240	11·1	240	12·5	250	11·5	260	9·2	260	7·2	255	6·6	240	8·9	8·1	28
185	4·3	175	4·6	180	4·6	205	6·9	235	5·6	230	6·2	240	9·5	240	6·9	245	7·5	265	8·2	260	9·2	270	12·5	6·2	29
350	5·2	325	6·6	315	7·2	315	7·9	315	9·8	345	6·2	335	7·2	315	6·6	300	4·6	300	9·5	305	9·8	320	6·2	7·3	30
320	5·2	340	3·6	350	3·0	350	2·0	345	3·3	—	1·3	340	2·3	—	1·0	—	1·0	—	0·3	—	1·0	340	1·6	6·2	31
—	**7·2**	—	7·1	—	7·0	—	6·7	—	6·4	—	6·4	—	7·1	—	6·4	—	6·3	—	6·2	—	**6·1**	—	6·5	6·6	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

353. Cahirciveen (Valencia Observatory) : H_a = 17 metres + 13 metres. **1922.**

Day.	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.
	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.
1	19	17 30	18	19 35	25	18 5	18	0 25	14	15 55	14	12 15	21	20 35	14	1 45	13	14 25	6	15 50	21	0 50	15	6 30
2	22	2 30	24	21 5	21	22 25	17	17 55	14	23 40	17	9 5	18	4 25	11	9 30	8	23 50	9	23 50	11	5 20	6	1 45
3	21	21 10	23	7 5	22	2 30	17	13 50	21	20 45	9	1 10	16	21 0	14	8 10	10	2 30	13	14 25	18	21 25	6	12 30
4	18	0 10	19	0 25	26	22 25	10	11 25	**21**	5 55	8	13 50	16	2 20	8	13 40	7	17 35	15	23 25	15	9 10	6	13 40
5	13	0 30	11	21 20	**26**	3 15	9	16 5	18	3 15	6	17 50	13	23 50	9	13 0	11	4 10	16	0 50	18	8 40	12	13 15
6	11	3 40	19	23 15	19	6 20	10	23 45	20	4 10	7	12 20	16	7 30	6	3 10	10	17 30	8	3 20	**22**	20 55	7	0 45
7	17	21 45	22	13 0	17	16 40	11	23 20	16	2 0	12	14 35	12	0 35	14	14 10	8	15 45	6	13 50	19	0 40	8	17 40
8	23	0 50	12	23 5	20	4 10	15	5 45	5	12 40	9	0 15	**27**	9 15	12	14 10	11	10 55	5	13 55	10	16 20	12	11 40
9	24	5 50	11	13 35	22	15 15	12	0 5	15	11 55	7	16 55	15	0 1	11	9 0	8	15 10	5	8 5	17	17 5	4	21 35
10	15	8 40	14	23 50	17	0 10	9	11 50	7	4 0	11	14 35	6	13 15	10	13 35	8	17 0	9	23 10	18	2 20	13	19 10
11	11	20 25	14	4 55	8	14 50	12	11 30	13	15 0	11	14 25	11	14 15	15	23 50	13	23 15	16	20 10	8	22 45	18	18 40
12	20	22 50	14	14 45	11	19 50	12	12 50	14	9 25	13	22 25	11	11 20	15	1 40	20	17 5	21	20 0	13	16 50	20	23 25
13	19	16 20	14	8 30	18	12 55	8	23 45	9	0 40	16	6 10	18	10 5	8	1 0	23	6 30	23	6 35	11		22	1 45
14	12	3 10	13	17 50	12	18 45	25	9 10	10	15 35	12	22 45	11	14 10	8	13 45	19	0 5	15	0 5	3	21 5	9	0 5
15	24	7 55	14	20 55	13	22 5	**27**	15 30	17	20 55	15	6 20	12	5 50	**20**	23 15	15	1 10	20	18 20	6	17 10	13	13 30
16	24	4 40	10	0 30	16	18 40	24	9 20	15	1 35	13	15 35	12	0 20	20	0 10	15	11 25	20	8 55	8	7 20	20	18 5
17	19	23 25	19	12 35	17	6 40	9	0 5	16	15 55	15	7 45	9	15 15	16	9 30	16	8 35	20	19 15	9	19 20	20	0 35
18	21	1 55	15	24 0	13	1 20	9	17 50	13	23 55	11	4 0	7	13 50	14	9 15	17	23 10	**27**	12 40	11	15 10	25	18 40
19	17	17 5	25	21 10	15	22 55	13	11 20	15	6 30	12	22 55	13	17 10	10	13 40	22	2 40	20	2 40	11	13 35	21	2 0
20	27	19 50	26	0 35	21	5 20	10	1 40	16	9 30	18	6 10	17	8 40	11	8 30	11	13 50	15	11 40	5	0 0	19	3 5
21	23	2 5	23	3 55	16	13 50	13	18 30	10	20 35	12	13 0	9	14 50	8	14 15	11	3 55	17	15 55	6	21 55	25	23 55
22	27	20 30	22	21 45	13	13 40	10	1 45	12	6 0	17	14 10	9	15 45	11	15 15	6	22 10	11	1 40	8	3 25	**32**	6 55
23	**28**	0 25	19	22 25	7	17 10	26	23 0	15	7 55	14	7 5	9	2 45	12	12 15	6	1 40	11	10 30	7	1 5	24	0 45
24	21	16 35	26	9 0	21	23 50	25	3 50	9	23 5	**19**	19 30	9	16 30	17	22 15	21	23 50	9	4 50	4	5 40	25	23 40
25	23	8 25	22	22 0	24	19 15	18	12 25	13	15 45	16	4 10	14	22 55	16	3 40	**26**	3 50	15	19 50	5	0 45	27	1 55
26	19	2 10	24	0 55	17	15 30	17	10 20	12	0 35	12	9 45	19	6 40	15	5 30	22	2 20	21	18 40	9	15 0	21	14 35
27	23	9 25	22	14 0	18	16 50	16	14 30	7	15 25	12	14 40	8	13 5	13	11 15	19	5 55	15	7 0	8	3 35	25	14 10
28	23	14 5	**27**	2 50	13	0 1	15	13 15	6	14 55	14	23 55	18	22 25	7	12 15	13	15 15	15	15 15	9	17 40	21	15 15
29	18	0 45	—	—	9	13 45	12	16 0	4	15 10	16	2 30	16	0 25	17	17 40	17	21 30	†	23 15	11	23 25	18	23 10
30	17	10 30	—	—	12	10 10	14	9 10	9	15 40	19	23 15	15	22 25	11	21 10	11	1 0	†	0 45	17	7 45	23	0 35
31	21	13 55	—	—	17	22 30	—	—	10	13 50	—	—	15	7 45	11	11 30	—	—	18	23 15	—	—	20	6 20

† Defective record.

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES TUBE ANEMOGRAPH.

354. Cahirciveen (Valencia Observatory) : H_a = 17 metres + 13 metres. **1922.**

Month.	DISTRIBUTION OF WIND.								EXTREME VELOCITIES.					
	More than 17·2 m/s.		10·8 to 17·1 m/s.		5·5 to 10·7 m/s.	1·6 to 5·4 m/s.	0 to 1·5 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.	
	Dates of Occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid. Time.		Speed.	Time.
		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hour.	m/s.	day. h. m.
Jan.	—	0	23	158	383	189	14	0	150	16	20	19	28	23 0 25
Feb.	—	0	15	161	315	158	38	0	190	16	24	10	27	28 2 50
Mar	—	0	16	69	383	247	43	2	210	17	5	3	26	5 3 15
April	15th	1	7	54	304	272	89	0	350	17	15	15	27	15 15 30
May	—	0	5	22	366	227	129	0	190	13	6	4	21	4 5 55
June	—	0	3	7	384	271	58	0	180	12	30	23	19	24 19 30
July	8th	2	6	32	284	340	86	0	350	18	8	9	27	8 9 15
Aug.	—	0	3	4	271	388	81	0	190	12	16	1	20	15 23 15
Sept.	—	0	9	74	253	264	129	0	150	16	25	4	26	25 3 50
Oct.	—	0	10	60	369	230	85	0	110	15	18	9	27	18 12 40
Nov.	—	0	5	27	173	343	177	0	290	13	6	19	22	6 20 55
Dec.	22nd	5	15	125	313	205	96	0	220	19	22	4	32	22 6 55
Year	3 days	8	117	793	3,798	3,134	1,025	2	220	19	Dec. 22	4	32	Dec. 22 6 55

MINIMUM TEMPERATURE "ON THE GRASS" DURING THE INTERVAL 18H. TO 9H. G.M.T.

Readings in degrees absolute.

355. Cahirciveen (Valencia Observatory). **1922.**

Day.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	80·6	74·7	75·2	72·1	75·9	83·3	83·4	82·4	81·4	78·9	79·8	80·3
2	84·1	80·4	74·7	74·1	79·6	83·0	83·3	82·9	82·6	78·1	73·2	80·6
3	78·1	79·8	80·4	73·7	80·6	80·2	81·3	84·1	83·7	83·0	75·9	78·1
4	76·7	76·7	75·8	70·9	78·4	77·4	81·9	86·4	83·6	85·8	74·7	78·1
5	76·3	**72·0**	79·7	75·7	77·2	78·6	78·1	84·2	85·7	83·6	**72·7**	80·2
6	79·1	76·7	76·5	**70·5**	82·6	78·9	80·9	...	79·8	81·9	81·4	73·4
7	77·1	80·2	74·5	76·9	82·9	79·8	79·9	80·9	78·7	80·9	80·2	73·7
8	80·7	78·1	75·0	74·5	78·1	84·7	80·9	83·1	77·2	77·9	79·7	80·8
9	78·2	77·6	73·8	73·4	77·9	82·1	81·4	82·6	84·9	75·4	74·5	73·9
10	78·2	73·7	74·1	71·9	79·7	80·9	77·2	83·1	78·7	77·3	82·4	79·1
11	77·3	78·1	78·3	76·3	79·9	**76·8**	78·4	**77·2**	79·6	77·6	77·3	79·2
12	...	79·7	78·7	73·2	79·0	85·4	85·1	83·9	83·1	84·2	79·1	81·4
13	75·6	75·3	74·7	72·1	**73·1**	81·3	81·9	83·5	82·0	84·7	83·1	83·9
14	73·2	72·7	74·0	74·8	79·2	79·8	81·6	82·6	81·9	82·9	81·3	77·4
15	78·5	79·1	75·1	77·7	81·7	82·3	79·8	81·9	80·2	84·0	74·6	**72·4**
16	73·4	79·6	74·5	75·3	83·2	80·8	81·2	84·6	82·1	83·0	80·3	73·0
17	72·9	75·6	78·7	75·3	...	82·4	80·9	83·3	81·9	83·1	77·1	74·3
18	76·9	75·3	79·6	72·0	80·2	83·9	78·7	83·4	79·3	81·8	79·1	76·3
19	72·3	79·0	73·0	77·4	82·4	84·2	80·7	86·4	84·2	79·3	75·9	77·5
20	**69·6**	74·8	77·4	80·2	84·7	84·3	85·7	77·5	83·7	74·8	76·4	74·2
21	76·4	72·8	70·3	75·7	84·7	81·6	83·1	84·9	85·3	76·8	79·6	74·2
22	76·8	74·8	**70·1**	77·6	81·7	83·4	81·4	85·3	85·3	74·0	77·9	76·2
23	81·6	81·3	73·0	78·1	82·7	82·3	83·7	82·1	84·6	75·1	79·3	75·9
24	78·4	83·2	77·7	76·3	77·8	82·3	82·6	84·1	78·3	80·1	79·7	73·7
25	...	79·5	73·6	77·9	84·8	80·4	82·9	83·3	83·9	78·1	74·8	79·0
26	76·1	77·6	74·2	75·1	83·6	83·4	85·6	77·5	83·0	79·7	73·7	76·4
27	77·7	75·0	75·4	74·3	77·6	84·5	82·8	82·6	84·7	76·4	79·2	75·8
28	77·7	75·3	74·8	74·8	78·4	82·1	**76·1**	...	79·1	73·6	73·6	74·2
29	77·7	—	71·8	70·8	78·1	80·1	85·9	78·0	**74·5**	**72·6**	80·4	78·3
30	75·6	—	75·3	74·0	79·5	82·0	81·9	78·8	83·1	75·3	79·5	74·7
31	76·0	—	78·2	—	81·4	—	82·3	79·3	—	...	—	76·3
Mean	77·0	77·1	75·4	74·8	80·2	81·7	81·6	82·4	81·9	79·3	77·9	76·9

NOTES :—(1) The initial 2 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

(2) The minimum refers to the interval from 18h. the previous day to 9h. on the day to which it is entered.

356. Cahirciveen (Valencia Obs.). **January, 1922.**

Day	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.	10	...	St.	10	...	St.	10	≡⁰	St.	10	...	St.	10	...	St.	10	≡⁰	● early : o and ≡⁰ *p* :
2	St.	10	●⁰ ≡⁰	St.	10	●⁰	St.	10	...	St.	10	...	St.	10	●⁰	St.-Cu.	5	...	d & ≡⁰ early : o *a* : o & ●⁰ *p* :
3	St.-Cu.	5	...	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	8	p	St.-Cu.	7	...	St.-Cu.	5	...	Fair early : fair and △ p day.
4	St.-Cu.	2	...	St.-Cu.	8	...	St.-Cu.	8	p	St.	10	p	St.-Cu.	3	...	St.	7	p	Fine early : fair & p *a* : o & p to b *p* :
5	St.	10	p	St.	9	...	St.-Cu.	8	...	St.-Cu.	10	...	St.	10	...	St.	10	...	p early : o to c *a* : o *p* :
6	St.	5	...	St.	10	●⁰	St.-Cu.	7	...	St.-Cu.	8	...	St.	10	●⁰	St.	10	●⁰	p early : o to c *a* : o & d *p* :
7	St.	5	...	St.	10	...	St.	10	...	St.	10	...	St.	10	...	St.	10	●⁰	Fair early : o to c *a* : o *p* :
8	St.-Cu.	10	...	St.-Cu.	10	...	A.-St.	10	...	St.	10	●⁰	St.	10	●	St.	10	●⁰	● early : o *a* : ● *p* :
9	St.	10	●⁰	St.	10	...	St.	10	...	St.	10	●	St.	10	...	St.	10	...	● early : ● to *p* day.
10	St.-Cu.	6	...	St.-Cu.	9	...	Cu.	5	...	Cu.	7	...	St.-Cu.	2	...	St.-Cu.	9	...	p early : o to b day : ⋓ *p* :
11	St.-Cu.	9	...	St.-Cu.	9	...	Cu.	3	...	Cu.	7	...	St.-Cu.	6	...	St.-Cu.	5	...	o to b *a* : fair *p* :
12	Ci.	1	⌊	Ci.	1	...	St.-Cu.	7	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	9	...	⌊ early : fine to fair day : ⋓ & ⋒ *p* :
13	St.-Cu.	10	●	St.	10	...	Cu.	5	...	St.-Cu.	7	...	St.-Cu.	6	...	St.-Cu.	5	...	● early : fair day : ⋓ & ⋒ *p* :
14	A.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	6	...	St.	10	●⁰	St.-Cu.	10	...	St.	10	●	p early : c to o day : ● *n* :
15	St.	10	●	St.	10	●⁰	Cu.-Nb.	8	...	Cu.	8	...	St.-Cu.	8	p	Cu.-Nb.	10	...	● early : p. △ & q day : ◹ & △ *n* :
16	Cu.-Nb.	10	...	Cu.-Nb.	7	...	St.	8	...	St.-Cu.	7	...	St.-Cu.	6	...	Cu.-Nb.	7	...	p & △ early : & day.
17	Cu.	7	...	St.-Cu.	7	...	A.-Cu.	4	...	St.-Cu.	4	...	A.-St.	10	...	St.	10	...	p & △ early : ● *p and n* :
18	Cu.	1	...	Cu.	3	...	St.-Cu.	8	p ▲	St.-Cu.	7	...	St.-Cu.	10	...	A.-St.	10	...	● early : p & △ day.
19	St.-Cu.	7	...	St.	10	...	St.	9	p ✳	St.-Cu.	8	...	St.-Cu.	7	...	St.-Cu.	9	✳	p early : p, △, ✳, ● *a* : p △ & ✳ *p* :
20	St.-Cu.	1	⌊	Ci.-Cu.	3	...	A.-Cu.	8	...	St.	10	●	St.	10	●	St.	10	●	p & early : ● to p *n* :
21	A.-St.	8	...	St.-Cu.	8	...	St.-Cu.	6	...	St.-Cu.	6	...	St.-Cu.	8	...	St.-Cu.	7	p	● early : fair day : p *p* :
22	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	Dull day.
23	St.-Cu.	9	...	St.-Cu.	8	...	A.-Cu.	5	...	A.-Cu.	7	...	St.-Cu.	10	...	St.-Cu.	10	...	p early : fair to o day.
24	St.-Cu.	10	d⁰	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	Fair to o day.
25	St.-Cu.	10	● ✳	St.-Cu.	10	●⁰	St.	10	●	St.	10	●	A.-Cu.	3	...	St.	1	...	● early : & a o to fine *p* :
26	St.	2	...	St.-Cu.	8	...	St.-Cu.	5	...	St.-Cu.	6	...	St.-Cu.	10	...	St.	2	...	p early : fair *a* : o & ● to fine *p* :
27	St.	8	p	St.	9	p	St.	10	●	St.	10	●	St.	10	●	St.	8	...	● early & day.
28	St.	10	...	St.	10	●	St.	10	●	St.	10	●	St.	9	...	St.	10	...	● early & day : p *n* :
29	St.	8	...	St.	10	...	A.-St.	10	...	A.-St.	10	...	A.-St.	10	...	Cu.	3	...	p early : ●⁰ *a* : p to fine *p* :
30	St.	7	...	Cu.	8	...	St.	10	p	St.-Cu.	10	...	St.-Cu.	4	...	St.-Cu.	4	...	p early & *a* : fair *p* :
31	Cu.	6	...	St.-Cu.	6	...	St.	10	p	St.	10	●	St.-Cu.	7	...	Cu.	2	...	p early & *a* : fair to fine *p* :
Mean Cloud Am'nt	—	7·3	—	—	8·4	—	—	7·9	—	—	8·4	—	—	8·2	—	—	7·7	—	

357. Cahirciveen (Valencia Obs.). **February, 1922.**

1	Cu.	2	...	A.-Cu.	8	...	St.-Cu.	8	...	St.	10	●	St.	10	●	St.	10	●	Fine early : c *a* : ● *p* :
2	St.	10	●	St.	9	...	St.	10	●	St.	10	●	St.	10	...	Cu.	10	p q	p early : ● *a* : p *p* :
3	St.-Cu.	5	q	St.	9	...	St.-Cu.	7	p	St.-Cu.	9	p	St.-Cu.	7	...	St.-Cu.	3	...	p early & day fine *n* :
4	Cu.	3	...	St.-Cu.	6	...	St.-Cu.	5	...	Cu.	8	p	St.-Cu.	2	...	Cu.	4	...	Fine to fair day.
5	St.-Cu.	1	...	Cu.	1	...	Ci.-Cu.	7	...	Ci.-Cu.	8	...	A.-St.	10	...	St.	10	...	Fine early : fair day : o *n* :
6	A.-St	10	∞	A.-St.	10	...	St.-Cu.	8	...	St.-Cu.	9	...	St.-Cu.	10	...	A.-St.	10	●	o to c day : p to ● *n* :
7	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	●	Nb.	10	●	p early : o *a* : ● *p* :
8	A.-St.	8	...	A.-St.	10	...	A.-St.	10	...	A.-St.	10	...	St.	10	●	St.-Cu.	10	...	p early : o to c *a* : ● *p* :
9	St.-Cu.	5	...	Ci.-Cu.	8	...	A.-Cu.	5	...	A.-Cu.	5	...	St.-Cu.	4	...	St.	2	...	Fair day : fine *n* :
10	St.-Cu.	7	...	St.-Cu.	8	...	Ci.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	4	...	St.-Cu.	9	...	Fair day : o *n* :
11	A.-St.	10	...	St.-Cu.	10	∞	St.-Cu.	10	∞	St.-Cu.	10	∞	St.-Cu.	10	∞	St.-Cu.	9	...	o & ∞⁰ day.
12	St.-Cu.	10	∞	St.	10	...	St.	10	●⁰	St.	10	...	St.-Cu.	10	...	St.-Cu.	10	p	o & ∞ early : ● *a* : o *p* :
13	St.-Cu.	7	...	St.-Cu.	9	...	St.-Cu.	7	...	St.-Cu.	4	...	St.-Cu.	4	...	Cu.	7	p	p early : fair day : p *n* :
14	Cu.	6	...	Cu.	7	◊	St.-Cu.	8	◊	St.	9	●⁰	St.	10	● ≡⁰	St.	10	...	p early : o & v *a* : ● *p* :
15	Fr.-St.	10	...	St.	10	...	St.-Cu.	10	...	St.	10	...	St.	10	...	St.	10	●⁰	p⁰ early : o day : ● *n* :
16	St.	10	...	A.-St.	10	...	A.-St.	10	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	5	...	p early & *a* : ⊕ : *a* : fair *p* :
17	St.-Cu.	9	...	St.-Cu.	8	...	St.	9	p ▲	St.	9	p ▲	St.-Cu.	8	...	St.-Cu.	7	...	p² early : p & ▲ day.
18	St.-Cu.	7	...	St.-Cu.	8	...	A.-Cu.	8	...	Ci.	7	...	A.-St.	10	p	St.	10	...	p early : fair day : p *n* :
19	St.	10	p⁰	St.	10	...	F.-St.	4	...	Cu.	4	...	St.	3	...	Cu.	6	...	p early & *a* : fair *p* : p *n* :
20	St.-Cu.	7	...	St.-Cu.	8	...	St.	8	p ▲	St.	8	p	St.-Cu.	8	...	St.	10	...	p early : p & ◹ *p* : p *n* :
21	Cu.	8	...	Ci.-Cu.	8	...	St.	10	p ▲	St.-Cu.	9	p ▲	St.-Cu.	8	...	St.	4	...	◹ & △ early : p, △ & ✳ day.
22	A.-St.	10	...	A.-St.	10	●	St.	10	●	A.-St.	10	...	St.	10	●	St.	10	...	p early & day.
23	A.-St.	10	p	Ci.-St.	9	...	St.-Cu.	8	...	St.-Cu.	6	...	St.	8	...	Cu.	7	...	p early : p to ● day.
24	St.	10	...	St.	10	...	St.	10	...	St.	10	...	St.	10	...	St.	10	...	p early : o *a* : ● *p and n* ·
25	A.-St.	10	●⁰	A.-St.	10	●	St.	10	●	St.-Cu	9	...	St.-Cu.	1	...	St.	10	...	● early & *a* : fair to fine *p* : ● *n* :
26	Cu.	4	...	A.-Cu.	7	...	St.-Cu.	8	...	Cu.	6	...	St.-Cu.	8	p	Cu.	3	...	●² early : fair to p △ *a* : fair to fine *p* :
27	St.-Cu.	9	...	St.-Cu.	10	p	St.-Cu.	7	...	St.-Cu.	8	...	A.-Cu.	7	...	St.-Cu.	3	...	p early : fair & △ *a* : fair to fine & p *p* :
28	Cu.	6	...	Cu.	5	...	A.-St.	10	...	A.-St.	8	...	A.-St.	7	...	Cu.	3	...	p early : bc to o & ⊕ *a* : c, ⁀ to b *p* :
Mean Cloud Am'nt	—	7·7	—	—	8·5	—	—	8·4	—	—	8·3	—	—	7·7	—	—	7·6	—	
G.M.T.	7h			9h.			13h.			15h.			18h.			21h.			

358. Cahirciveen (Valencia Obs.). **March, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.	10	....	St.	10	...	St.-Cu.	8	...	St.-Cu.	8	...	St.	10	p	Cu.	5	...	o to c : *a* : ● *p* : fair *n* :
2	Ci.	2	...	St.-Cu.	8	...	St.	10	...	St.	10	●	St.	10	●	St.	10	...	Fine early : p to ● *p* :
3	St.-Cu.	10	...	St.-Cu.	9	...	A.-St.	10	...	A.-St.	10	⌇	A.-Cu.	3	...	St.-Cu.	10	...	p early : o *a* : o to b *p* : p *n* :
4	Cu.	7	...	Cu.	2	...	St.-Cu.	5	...	Ci.-St.	8	...	St.-Cu.	10	...	St.	10	●⁰	Fine *a* : c to o *p* : ● *n* :
5	Nb.	10	●	St.	10	●	St.	10	p	Ci.-St.	10	...	St.-Cu.	9	...	Cu.	6	...	● early : o day : fair *n* :
6	St.-Cu.	8	...	St.-Cu.	8	...	St.	10	●	St.	8	...	St.-Cu.	7	...	Cu.	8	...	p early : p to ● day : ◫ *p* :
7	St.-Cu.	6	...	St.-Cu.	4	...	St.-Cu.	7	p⁰	St.-Cu.	6	...	St.-Cu.	7	...	St.	10	...	p early : p to fair day.
8	Cu.	5	...	Cu.	3	...	St.-Cu.	5	...	St.-Cu.	6	...	St.-Cu.	7	...	Cu.	7	p⁰	p early : fine to fair day.
9	Cu.	5	...	Cu.	7	...	St.-Cu.	7	p	St.	10	p	St.-Cu.	6	...	St.-Cu.	8	...	p early : p to ● day.
10	A.-Cu.	5	...	Cu.	1	...	A.-St.	2	...	St.-Cu.	6	...	St.-Cu.	7	...	St.-Cu.	9	...	Fair to fine day : o *n* :
11	St.-Cu.	10	...	St.-Cu.	9	...	St.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	Dull day.
12	St.-Cu.	10	●⁰	St.-Cu.	6	...	St.-Cu.	9	...	St.-Cu.	9	...	St.-Cu.	9	...	St.-Cu.	10	...	o to c day.
13	Fr.-St.	1	∞	Cu.	2	∞	A.-Cu.	2	∞	St.-Cu.	1	∞	A.-Cu.	5	∞	A.-Cu.	2	∞	Fine and ∞ day.
14	St.	7	∞	St.-Cu.	7	∞	A.-Cu.	5	∞	A.-Cu.	6	∞	St.	10	∞	A.-St.	7	∞	Fair, ∞ & dry day.
15	Fr.-St.	1	∞	—	0	∞	Cu.	2	∞	Cu.	1	∞	A.-Cu.	2	∞	—	0	∞	Fine, ∞, & dry day : p *n* :
16	—	0	∞	Cu.	1	∞	Cu.	1	∞	Cu.	2	∞	A.-Cu.	2	∞	St.	4	∞	Fine & ∞ day.
17	Fr.-St.	2	∞	Cu.	5	∞	St.-Cu.	7	∞	St.-Cu.	8	∞	St.	10	∞	St.	4	∞	Fine to fair & ∞ day.
18	St.	10	∞	St.-Cu.	9	∞	St.	10	∞	A.-St.	10	∞	St.-Cu.	8	∞	—	0	∞	Fair to fine & ∞ day.
19	Ci.	2	∞	—	0	∞	—	0	∞	—	0	∞	Cu.	3	∞	St.	8	∞	Fine & ∞ day.
20	St.	8	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	7	...	St.-Cu.	3	...	Fr.-St.	3	...	Fair to fine & dry day.
21	Cu.	2	...	Cu.	2	...	St.-Cu.	5	...	St.-Cu.	5	...	St.-Cu.	3	...	Cu.	1	...	Fine, dry day : ◥ *p* :
22	Ci.-Cu.	4	⌴	Ci.-Cu.	5	...	A.-Cu.	8	...	St.-Cu.	9	...	A.-St.	7	...	St.-Cu.	10	...	⌴ early : fair, dry day : ⊕ *a* :
23	St.-Cu.	8	...	A.-Cu.	8	...	A.-Cu.	7	...	A.-Cu.	4	...	St.-Cu.	7	...	St.	10	...	Fair early & day : p *n* :
24	Nb.	10	●	St.	9	p	St.-Cu.	6	...	St.	8	p	St.-Cu.	8	p	Cu.	4	...	● early : p day & *n* :
25	Cu.	8	p ▲	Cu.	8	p ▲	St.-Cu.	6	...	St.-Cu.	10	p	St.	8	p ▲	Cu.	8	p	p, ▲ & q, early, & day.
26	Cu.	5	...	Cu.	2	...	St.-Cu.	8	...	Cu.	5	...	Cu.	3	...	St.-Cu.	1	...	p, △ & q early : fine *p* : p *n* :
27	Cu.-Nb.	7	...	Cu.	7	...	St.-Cu.	5	...	St.-Cu.	5	...	St.-Cu.	7	...	Cu.	8	p	p early : △ *a* : fair *p* :
28	St.-Cu.	5	...	St.-Cu.	6	...	Cu.	3	...	Cu.	3	...	St.-Cu.	4	...	St.	1	...	Fine day : ◥ *p* :
29	St.	1	⌴	—	0	...	St.-Cu.	5	...	St.-Cu.	3	...	A.-Cu.	2	∞	St.	2	∞	⌴ early : fine, dry day, ∞ p.
30	St.-Cu.	7	∞	A.-Cu.	8	∞	St.-Cu.	9	∞	St.-Cu.	7	∞	A.-Cu.	7	...	St.-Cu.	8	∞	Fair & ∞ early & day.
31	A.-St.	10	∞	A.-St.	10	∞	St.-Cu.	7	...	Cu.	6	...	St.-Cu.	10	∞	St.	9	∞	Fair & dry day with ∞.
Mean Cloud Am'nt	—	6·0	—	—	5·6	—	—	6·4	—	—	6·5	—	—	6·6	—	—	6·2	—	

359. Cahirciveen (Valencia Obs.). **April, 1922.**

1	Cu.	2	∞	Cu.	1	∞	Cu.	7	...	St.-Cu.	8	...	St.-Cu.	8	...	Ci.-St.	4	...	Fine & ∞ early : fine, dry day.
2	St.-Cu.	10	∞	St.-Cu.	10	∞	St.-Cu.	8	∞	St.-Cu.	10	∞	A.-Cu.	8	∞	A.-Cu.	9	∞	o to c & ∞ day.
3	Ci Cu.	9	∞	St.-Cu.	8	∞	Cu.	3	∞	St.-Cu.	5	∞	St.-Cu.	5	∞	St.-Cu.	8	∞	Fine, dry day with haze.
4	St.-Cu.	4	⌴	Cu.	3	...	Ci.-Cu.	6	◊	Ci.-Cu.	6	◊	Ci.-St.	6	◊	Cu.	7	...	⌴ early : fine, v, & p, day.
5	St.	8	p	St.	9	p	St.-Cu.	7	...	St.-Cu.	7	...	Cu.	2	◊	Cu.	2	◊	p early : fair *a* : fine & ◊ *p* :
6	St.-Cu.	7	p ▲	Ci.-Cu.	5	...	Ci.-Cu.	7	◊	St.-Cu.	10	◊	A.-St.	10	◊	Ci.-St.	10	◊	⌴ & △ early : fair, dry day & ◊ : ◫ *p* :
7	St.	10	●⁰	St.	10	...	St.-Cu.	10	...	St.-Cu.	10	●	A.-St.	10	●⁰	St.-Cu.	10	...	● early : o & ● to d *p* :
8	A.-St.	8	...	A.-St.	8	...	A.-St.	7	...	A.-Cu.	6	...	Cu.	3	...	Cu.	1	...	c to o early : fair *a* : fine *p* :
9	St.-Cu.	7	...	St.-Cu.	7	...	A.-Cu.	7	...	Ci.	2	...	Cu.	1	...	Cu.	3	...	△ p early : fair *a* : fine *p* :
10	A.-Cu.	6	⌴	A.-Cu.	6	...	St.-Cu.	6	...	St.-Cu.	7	...	St.-Cu.	8	...	St.-Cu.	10	...	Fine & ⌴ early : fair day.
11	St.-Cu.	9	...	St.-Cu.	10	...	A.-St.	10	●	A.-St.	10	...	St.-Cu.	6	...	Cu.	5	p	o early : ● *a* : fine *p* :
12	A.-St.	10	...	A.-St.	10	...	St.-Cu.	10	∴	A.-St.	10	●⁰	A.-Cu.	3	...	Cu.	4	...	o & v early : ● *a* : fine *p* :
13	St.-Cu.	7	◊	St.-Cu.	8	...	St.-Cu.	8	◊	St.-Cu.	8	◊	Ci.	5	◊	Ci.	5	◊	△ p early : fair & v day.
14	St.	10	✱	St.	10	●	St.	10	...	St.-Cu.	8	...	St.	10	...	St.-Cu.	9	...	● early & day.
15	St.-Cu.	10	●⁰	St.-Cu.	10	...	St.-Cu.	9	p⁰	St.-Cu.	9	...	A.-Cu.	8	p	Cu.	7	...	● & ⌒ early : ● to p day.
16	Cu.	7	...	Cu.	6	...	Cu.	7	p ▲	Cu.	6	...	Cu.	7	...	Cu.	5	...	p & q early : △ & q *a* : fine *p* :
17	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	6	...	Ci.-St.	3	...	Ci.-St.	3	◊	Ci.	2	...	Fair early & *a* : fine *p* :
18	St.-Cu.	9	...	St.-Cu.	6	...	St.-Cu.	2	◊	Ci.-St.	2	◊	Ci.-Cu.	5	◊	A.-St.	3	...	Fair early : fine & ◊ day.
19	Ci.-Cu.	8	...	Ci.-St.	8	...	A.-St.	10	...	St.	10	●	St.	10	● ≡⁰	St.	10	●	Fair & ⊕ *a* : ● *p and n* :
20	St.-Cu.	8	...	St.-Cu.	8	...	Cu.	3	...	Cu.	2	...	A.-St.	3	...	Ci.-Cu.	3	...	● early : fine day.
21	St.	10	●	St.	10	●	St.-Cu.	5	...	St.-Cu.	3	...	St.-Cu.	2	...	St.-Cu.	6	p	● early : fine day.
22	A.-St.	10	...	A.-St.	10	●⁰	St.	10	●⁰	St.-Cu.	9	...	St.	7	...	St.-Cu.	8	...	● early & *a* : o to c & p *p* :
23	St.	10	...	St.	8	...	St.	8	∞	St.	10	∞	St.-Cu.	9	∞	Cu.	7	p	o to c *a* : o to c & p *p* :
24	Cu.	8	p ▲	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	7	...	St.-Cu.	8	...	Fr.-Cu.	6	...	p & q early & day.
25	St.-Cu.	10	●⁰	St.	10	●	St.	10	...	St.	10	...	St.	8	...	A.-Cu.	7	...	p to ● early : o to c & p *p* :
26	St.-Cu.	5	...	St.-Cu.	8	...	St.-Cu.	4	...	St.-Cu.	6	...	A.-Cu.	3	...	A.-Cu.	7	p	p early : fair *a* : fine & △ p *p and n* :
27	St.-Cu	7	...	St.-Cu.	8	p⁰	St.-Cu.	5	...	St.-Cu.	6	...	St.-Cu.	6	...	Cu.	7	...	p early : fair *a* : fair & p *n* :
28	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	7	p ▲	St.-Cu.	7	...	St.-Cu.	3	...	Cu.	7	p	p early : fair & △ p *a and p* :
29	St.-Cu.	5	...	St.-Cu.	5	...	St.-Cu.	8	◊	Cu.	5	◊	Cu.	4	◊	Cu.	2	...	Fine & ⌴ early : fair, dry and ◊ day.
30	St. Cu.	9	...	St.-Cu.	9	p	Cu.	7	...	Cu.	2	...	Cu.	4	...	St.-Cu.	2	...	p early : fair *a* : fine *p* : p *n* :
Mean Cloud Am'nt	—	7·9	—	—	7·8	—	—	7·2	—	—	6·8	—	—	5·8	—	—	5·9	—	
G.M.T.	7h.			9h.			13h.			15h.			18h.			21h.			

360. Cahirciveen (Valencia Obs.). **May, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	●	St.	10	●	St.	10	●⁰	St.	10	...	●⁰ early : ●⁰ to d day.
2	St.	10	●⁰ ≡⁰	St.	10	...	St.	9	...	St.-Cu.	6	...	St.-Cu.	10	...	St.	10	●⁰	o, m & d early : fair day : ● *n* :
3	St.	10	≡⁰	St.	10	●	St.-Cu.	5	...	A.-Cu.	6	...	St.-Cu.	7	...	A.-Cu.	8	p	● to p early: fair day : p *p* :
4	Cu.	4	...	Cu.	3	...	St.-Cu.	5	...	St.-Cu.	5	...	St.-Cu.	5	...	A.-St.	10	●	p⁰ early : fine day : ● *n* :
5	St.	10	p	Cu.	2	...	St.-Cu.	5	...	St.-Cu.	6	...	A.-St.	8	...	St.	10	...	p early : fine *a* fair *p* : o *n* :
6	St.	10	≡⁰	St.	10	≡⁰	St.	10	≡⁰ ●⁰	St.	10	≡⁰	St.	10	≡⁰	St.	10	≡⁰ ●⁰	o ≡⁰ early : ≡ & ● *a* : ≡ & d *p* :
7	St.	10	...	St.	10	...	St.-Cu.	9	...	Ci.-Cu.	5	...	Ci.-Cu.	4	...	St.-Cu.	4	...	o & d early & *a* : fair *p* :
8	St.	10	≡	St.	10	≡	St.	3	...	Ci.-St.	4	∞	A.-Cu.	5	∞	A.-Cu.	3	∞	Fair to ≡ early : fine & ∞ *p* :
9	A.-Cu.	3	p	A.-Cu.	4	...	A.-St.	1	...	St.-Cu.	4	∞	St.	10	≡	St.	10	≡	Fine & p early : fine *a* : ≡ *p* :
10	St.	10	...	St.	10	...	St.	10	...	St.	10	...	St.-Cu.	8	...	St.-Cu.	10	...	≡ early : ● *a* : o to c *p* :
11	St.-Cu.	10	...	St.-Cu.	5	...	St.-Cu.	7	...	St.-Cu.	5	...	Cu.	5	...	A.-Cu.	2	∞	o early : fair *a* : fine & ∞ *p* :
12	St.-Cu.	7	...	St.-Cu.	8	...	St.-Cu.	6	...	St.-Cu.	7	...	St.-Cu.	5	...	Cu.	1	...	Fair dry day & ⊕ : fine *n* :
13	St.-Cu.	8	...	St.-Cu.	9	...	St.-Cu.	9	...	St.-Cu.	7	...	St.-Cu.	5	...	St.-Cu.	10	...	o to c *a* : dry & bc to o *p* :
14	St.-Cu.	9	...	St.-Cu.	7	...	St.-Cu.	6	...	St.-Cu.	8	...	St.-Cu.	6	...	St.-Cu.	10	...	p early : fair day : o *n* :
15	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	●	o early : c *a* : o to ● *n* :
16	St.	10	●⁰	St.	10	●⁰ ≡⁰	St.	10	≡⁰	St.	10	≡⁰	St.	10	≡⁰	St.	10	...	● early : o, ≡⁰ & d day.
17	St.	9	...	St.	8	...	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	4	...	St.	8	...	p early : o to c & p day.
18	St.-Cu.	8	...	St.-Cu.	4	...	St.-Cu.	7	...	St.-Cu.	7	...	A.-St.	10	...	A.-St.	10	...	p early : fair *a* : o to d *p* :
19	St.	9	≡⁰	St.	9	≡⁰	St.	8	...	St.	10	...	St.	10	≡⁰	St.	10	≡⁰	o ≡⁰ & ●⁰ early : c *a* : ≡⁰ d to ●⁰ *p* :
20	St.	10	≡⁰	St.	10	●₀ ≡⁰	St.	10	≡⁰	St.	10	≡⁰	St.	10	● ≡⁰	Nb.	10	●	o, ≡⁰, d to ●⁰ day.
21	St.	10	●⁰ ≡⁰	St.	10	●⁰ ≡⁰	St.	10	≡⁰	St.	10	●	St.	10	●	St.	10	●	o, ≡⁰ & d early : ● *p and n* :
22	Cu.	3	...	Cu.	3	...	St.-Cu.	5	...	St.-Cu.	8	...	St.-Cu.	7	...	St.-Cu.	9	...	● early : fine to fair day.
23	St.	10	●⁰	St.	10	●	Cu.	5	...	Cu.	6	...	Cu.	4	...	St.-Cu.	4	...	d early : fair day.
24	A.-St.	10	...	A.-St.	10	●⁰	St.	10	...	A.-St.	10	●⁰	St.	10	...	St.-Cu.	9	...	d early : dull day.
25	St.	10	●⁰	St.	10	...	St.-Cu.	8	...	St.-Cu.	8	...	St.	10	...	St.	10	≡⁰	d early : fair day : o to ≡⁰ *n* :
26	St.	10	...	St.-Cu.	5	...	St.-Cu.	6	...	St.-Cu.	6	...	Ci.-Cu.	6	...	Ci.-Cu.	2	...	●⁰ early : fair day : fine *n* :
27	Ci.-St.	2	...	Ci.-Cu.	2	...	Ci.-Cu.	3	...	Ci.-Cu.	2	...	Ci.-St.	1	...	Ci.	1	...	Fine & p early : fine day.
28	St.-Cu.	3	...	A.-Cu.	4	...	Ci.-Cu.	2	...	Ci.-Cu.	2	...	Ci.-Cu.	4	...	Ci.-Cu.	3	...	Fine & p early : fine day.
29	Ci.-Cu.	4	p	Ci.-Cu.	4	...	A.-St.	3	...	A.-St.	3	...	A.-Cu.	4	...	Ci.	2	...	Fine & p early : fine day.
30	—	0	p ∞	—	0	∞	A.-St.	1	...	A.-Cu.	3	...	A.-St.	6	...	Ci.	5	...	Fine & p early : fine, dry day.
31	Ci.-Cu.	1	p	Ci.-Cu.	1	...	A.-St.	3	...	A.-St.	3	...	A.-Cu.	3	...	Ci.	7	∞⁰	Fine & p early : fine, dry day.
Mean Cloud Am'nt	—	7·7	—	—	7·0	—	—	6·6	—	—	6·7	—	—	7·0	—	—	7·4	—	

361. Cahirciveen (Valencia Obs.). **June, 1922.**

1	—	0	...	A.-St.	1	∞	St.-Cu.	7	...	St.-Cu.	4	...	St.-Cu.	6	...	St.-Cu.	9	...	Fine & ∞ early : fair day : o *n* :
2	St.	10	...	St.-Cu.	9	...	St.-Cu.	5	...	St.-Cu.	5	...	St.-Cu.	8	...	Ci.-Cu.	7	...	d early : fair day.
3	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	2	...	St.-Cu.	8	...	o to c early & *a*, c to b *p* :
4	St.	10	...	St.	10	...	St.-Cu.	8	...	St.-Cu.	6	...	St.-Cu.	9	...	St.-Cu.	9	...	o early : fair day.
5	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	3	...	St.-Cu.	9	...	o early : fair *a* : c to b *p* :
6	St.-Cu.	8	...	St.-Cu.	6	...	St.-Cu.	3	...	St.-Cu.	1	...	—	0	...	Ci.	2	∞	Fair early & *a* : fine *p* :
7	A.-St.	8	...	A.-St.	8	...	St.-Cu.	3	∞	St.-Cu.	8	∞	St.	10	∞	St.	10	...	●⁰ early : c to b & ∞ *a* : c to o *p* :
8	St.-Cu.	8	...	St.-Cu.	6	...	St.-Cu.	6	...	St.-Cu.	6	...	St.-Cu.	3	...	St.-Cu.	7	...	Fair early : fair to fine *p* :
9	St.-Cu.	8	...	St.-Cu.	6	...	St.-Cu.	5	...	St.-Cu.	4	...	St.-Cu.	6	...	Ci.-Cu.	9	...	Fair & T *a* : fair *p* : o *n* :
10	St.-Cu.	10	...	St.	10	∞	St.	10	p	A.-Cu.	8	...	Ci.-St.	8	...	A.-Cu.	6	...	o & p *a* : fair & ⊕ *p* :
11	Ci.-St.	8	p	A.-St.	10	...	St.	10	...	St.	10	...	St.	10	...	St.	10	...	p early : dull day.
12	St.	10	...	St.	10	●⁰	St.	10	...	St.	10	...	St.	10	≡⁰	St.	10	●⁰	d early & *a*, p to ●⁰ *p* :
13	St.-Cu.	8	...	St.-Cu.	8	...	Cu.	3	...	St.-Cu.	3	...	A.-Cu.	7	...	A.-St.	10	...	Fair to fine & ∞ day : o *n* :
14	A.-Cu.	8	...	A.-Cu.	8	...	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	≡⁰	St.	10	●	c to o *a* : ≡⁰ p to ●⁰ *p* :
15	St.	10	...	St.-Cu.	10	...	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	5	...	St.-Cu.	3	...	p early : fair to fine day.
16	St.	10	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	7	...	St.-Cu.	10	...	o early : fair day : o *n* :
17	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	7	...	St.-Cu.	3	...	St.-Cu.	9	...	St.	10	...	o early : fair to fine day : o *n* :
18	St.	10	≡⁰	St.	10	≡⁰	St.	10	...	St.-Cu.	9	...	St.	10	●⁰ ≡⁰	St.	10	●⁰ ≡⁰	o & ≡⁰ early : o day : o & ≡⁰ *n* :
19	St.	10	...	St.	10	...	St.	10	...	St.	10	...	St.	10	...	St.	10	...	o & d early : dull day.
20	St.	10	...	St.	10	...	St.-Cu.	3	...	Cu.	3	...	St.-Cu.	7	...	Cu.	7	...	o & d early : fine to fair day.
21	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	7	...	A.-Cu.	8	...	o & p⁰ day : c *n* :
22	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	...	St.	10	...	St.	10	...	Cu.	8	...	o & p day.
23	St.	9	...	St.-Cu.	9	...	St.	9	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	10	...	o to c day.
24	St.	9	...	St.-Cu.	6	...	St.-Cu.	8	...	St.-Cu.	5	...	St.-Cu.	6	...	Ci.-Cu.	7	...	p⁰ early : fair *a* : p *p* :
25	A.-St.	10	...	St.	10	p⁰	A.-St.	10	p⁰	A.-St.	10	...	St.	10	●⁰	St.	10	≡⁰	p early : p to ● day.
26	St.	10	≡⁰	St.	10	...	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	7	...	St.	10	...	o & d early : fair day.
27	St.	10	...	St.	10	●⁰	St.	10	≡⁰ ●⁰	St.	10	●⁰ ≡⁰	St.	10	...	St.	10	...	o to ≡⁰ day.
28	St.	10	...	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	7	...	St.-Cu.	5	...	Cu.	4	...	o early : fair day : p *n* :
29	St.-Cu.	10	...	St.-Cu.	3	...	St.-Cu.	8	...	St.-Cu.	7	...	St.-Cu.	8	...	St.	10	●⁰	p early : fair *p* : p *n* :
30	St.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	●	p⁰ early : o day : ● : *p and n* :
Mean Cloud Am'nt.	—	9·1	—	—	8·5	—	—	7·7	—	—	7·2	—	—	7·4	—	—	8·4	—	

G.M.T.	7h.	9h.	13h.	15h.	18h.	21h.	

362. Cahirciveen (Valencia Obs.). **July, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.	10	...	St.-Cu.	5	...	A.-Cu.	2	...	Cu.	7	...	St.-Cu.	9	...	St.-Cu.	10	...	● early : p & fair day : p *n* :
2	St.	9	...	St.	10	p	St.-Cu.	9	p	St.-Cu.	3	...	St.-Cu.	7	...	St.-Cu.	8	...	p early : fair to fine day.
3	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	7	...	A.-St.	10	...	Nb.	10	●	Fair early & *a* : ●² *p* :
4	St.-Cu.	8	...	St.-Cu.	9	...	St.	10	p	St.-Cu.	8	...	St.-Cu.	6	...	Cu.	3	...	p early : c to o *a* : c to b *p* :
5	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	10	...	St.-Cu.	10	●⁰	o *a* : o to c & p *p* :
6	St.-Cu.	8	p	Cu.-Nb.	7	...	St.-Cu.	6	...	St.-Cu.	5	...	Stl-Cu.	8	p	St.-Cu.	10	...	p early : fair *a* : p *p and n* :
7	Ci.	8	...	Ci.	8	...	St.-Cu.	8	...	St.-Cu.	6	...	A.-St.	10	...	Nb.	10	●	p early : fair *a* : ● *p and n* :
8	St.	10	●	St.	10	●⁰	St.	10	●	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	9	...	●² early : ≍ *a* : p & o day.
9	St.-Cu.	9	p⁰	St.-Cu.	8	...	Cu.	8	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	9	...	p early : fair day.
10	St.-Cu.	7	...	Ci.-Cu.	3	...	St.-Cu.	7	...	St.-Cu.	5	...	St.-Cu.	3	...	St.-Cu.	8	...	Fine *a* : fair to fine *p* :
11	St.	10	...	St.	10	...	St.-Cu.	9	...	St.-Cu.	10	...	St.	10	≡⁰ ●⁰	St.	10	...	o to c *a* : o *p* : d *n* :
12	St.	10	≡⁰ ●⁰	St.	10	...	A.-St.	10	...	A.-St.	10	...	St.-Cu.	8	...	St.-Cu.	10	...	p early : o *a* : o to c *p* :
13	St.	10	●	St.	10	...	St.	10	● ≡⁰	St.	10	p	St.-Cu.	8	...	St.-Cu.	8	...	● early & *a*, o to c *p* :
14	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	7	...	St.-Cu.	6	...	Cu.	8	...	o to c early : fair *p* :
15	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	7	p	Cu.	6	...	Cu.	6	...	St.-Cu.	10	...	p early : ●⁰ *a* : fair *p* :
16	St.-Cu.	9	...	St.-Cu.	7	...	St.-Cu.	8	...	St.-Cu.	7	...	St.-Cu.	9	...	St.-Cu.	10	...	o to c *a* : fair to o *p* :
17	St.-Cu.	9	...	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	5	...	St.-Cu.	3	...	Cu.	5	...	o to c *a* : fair to fine *p* :
18	Ci.-Cu.	7	...	Cu.	4	...	A.-Cu.	7	...	A.-Cu.	7	...	St.-Cu.	7	...	Cu.	6	...	◺ early : fair day.
19	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	10	...	St.	10	≡⁰ ●⁰	St.	10	≡⁰ ●⁰	St.	10	●⁰ ≡⁰	c to o early : ●⁰ *p* :
20	St.	10	≡⁰ ●⁰	St.	10	≡⁰	St.	10	≡⁰	St.	10	≡⁰ ●⁰	St.	10	≡⁰ ●	St.	10	...	p to ● early : o, ≡⁰ & ● day.
21	St.-Cu.	8	...	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	6	...	St.-Cu.	8	...	St.-Cu.	10	...	o to c day.
22	St.-Cu.	10	...	St.-Cu.	10	...	A.-St.	10	...	St.-Cu.	10	...	A.-St.	10	●⁰	St.-Cu.	10	...	o day : ● *p* :
23	St.	10	●	St.-Cu.	10	...	St.-Cu.	10	...	Nb.	10	●	St.-Cu.	10	...	Cu.	6	...	p early : o *a* : ● to fair *p* :
24	St.-Cu.	8	...	St.-Cu.	9	...	A.-Cu.	7	...	St.-Cu.	2	...	St.-Cu.	3	...	A.-Cu.	3	...	o to c early : fair *a* : fine *p* :
25	St.-Cu.	9	...	St.-Cu.	9	...	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	10	...	◺ early : o day : ● *n* :
26	St.	10	●	St.	10	●	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	3	...	St.-Cu.	7	...	● early : fair *a* : fine to fair *p* :
27	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	7	...	Cu.	1	...	p early : fair day : fine *n* :
28	Ci.-Cu.	1	◺	A.-Cu.	2	...	A.-Cu.	6	...	A.-Cu.	7	...	St.-Cu.	8	...	St.-Cu.	10	●₀	◺ early : fair day : ● *n* :
29	St.	10	● ≡⁰	St.	10	...	St.	10	●⁰	St.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	● to p early : dull day.
30	St.-Cu.	9	...	St.-Cu.	5	...	St.-Cu.	10	●⁰	St.-Cu.	6	...	St.-Cu.	9	...	St.-Cu.	10	●⁰	o to c early : ● *a* : c to o & p *p* :
31	St.-Cu.	5	...	Cu.	8	...	Cu.	4	...	Cu.	4	...	St.-Cu.	10	...	St.-Cu.	10	...	p early : fair day, p : *n* :
Mean Cloud Am'nt	—	8·6	—	—	8·2	—	—	8·2	—	—	7·4	—	—	7·9	—	—	8·5	—	

363. Cahirciveen (Valencia Obs.). **August, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	Cu.	7	...	St.-Cu.	8	...	St.-Cu.	4	...	St.-Cu.	5	...	A.-Cu.	8	...	Cu.	10	...	p² early : fair day.
2	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	...	St.-Cu.	10	...	St.	10	p	St.	10	...	p early : o *a* : o & d *p* :
3	St.	10	●	St.	10	●	St.	10	≡⁰	St.	10	≡⁰	St.	10	≡⁰ ●	St.-Cu.	10	...	● early & *a* : o & ≡⁰ to ● *p* :
4	St.	9	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	7	...	St.-Cu.	10	...	o early : fair day : o *n* :
5	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	10	●₀	St.-Cu.	10	...	St.-Cu.	10	...	o early : o to c *a* : o & p *p* :
6	St.	9	...	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	9	...	A.-St.	2	...	o early : d *a* : fair to fine *p* :
7	St.-Cu.	8	...	St.-Cu.	7	...	St.-Cu.	7	...	St,	10	●	St.	10	●	St.	10	...	Fair early & *a* : ◹ *p* :
8	St.	9	...	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	8	...	Cu.	1	...	o early & *a* : fair to fine *p* :
9	St.	10	...	St.-Cu.	7	...	Cu.	3	...	Cu.	2	...	St.-Cu.	4	...	Cu.	6	...	p to ● early : fair to fine day.
10	St.-Cu.	4	...	Cu.	1	...	St.-Cu.	5	...	St.-Cu.	4	...	A.-Cu.	2	...	St.-Cu.	1	...	Fine : dry day.
11	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	...	St.-Cu.	10	●	Fair & ◺ early, ● : *p and n* :
12	St.	10	...	St.-Cu.	6	...	St.-Cu.	8	...	Cu.	1	...	St.-Cu.	9	...	St.	2	...	●² early : fair *a* : p to fine *p* :
13	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	10	...	Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	c to o early : o day.
14	A.-St.	10	...	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	4	...	Ci.	2	...	St.-Cu.	7	...	o early : fair to fine day.
15	A.-Cu.	10	...	A.-Cu.	7	...	St.-Cu.	9	...	St.-Cu.	8	...	Cu.	9	...	St.	10	...	Fair early & *a* : ● : *p and n* :
16	St.-Cu.	10	...	St.	10	...	A.-St.	10	...	St.-Cu.	8	...	St.	10	●	St.-Cu.	10	●⁰	● early : o to c *a* : p *p* :
17	St.-Cu.	8	...	St.-Cu.	9	...	St.-Cu.	7	p	St.-Cu.	5	...	St.-Cu.	9	...	St.-Cu.	10	...	p early & *a* : fair to o *p* :
18	St.	9	...	St.	10	...	St.	10	≡⁰	St.	10	≡⁰	St.	10	●⁰ ≡⁰	St.	10	●⁰ ≡⁰	o to ≡⁰ day : ≡ & d *n* :
19	St.	10	≡⁰	St.	10	≡⁰	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	8	...	Cu.	5	...	o & ≡⁰ early & *a* : o to fair *p* :
20	St.	8	...	St.-Cu.	10	...	St.	10	...	St.	10	...	St.-Cu.	10	...	St.	10	...	Fine & ◺ early : o to c day.
21	A.-Cu.	10	...	A.-St.	10	...	A.-Cu.	9	...	A.-St.	10	...	St.-Cu.	10	...	Nb.	10	●	o day : ● *p and n* :
22	St.	10	...	St.	10	...	St.	9	...	St.	10	p⁰	A.-St.	10	●⁰	St.	10	●	p early : o *a* : ● *p* :
23	Cu.	1	...	St.-Cu.	8	...	St.-Cu.	5	...	St.-Cu.	8	...	St.	10	...	St.	10	...	Fine early : fair day : o *n* :
24	St.	10	≡⁰	St.	10	● ≡⁰	St.	10	...	St.-Cu.	10	...	St.-Cu.	10	●⁰	St.	10	...	p early : o & ≡⁰ day.
25	St.-Cu.	10	...	St.	10	●	St.-Cu.	6	...	St.-Cu.	7	...	Ci.	3	...	St.	1	...	≡⁰ & d early : fair to fine *p* :
26	St.	10	●⁰ ≡⁰	St.	10	●⁰ ≡⁰	St.	10	●	St.	10	●	St.	10	p	St.-Cu.	4	...	p to ● early & *a* : ● *p* :
27	St.-Cu.	7	...	Cu	6	...	Cu.	8	...	Cu.	8	...	St.-Cu.	8	p	St.-Cu.	5	...	Fair early : p day.
28	St.-Cu.	8	...	St.-Cu.	7	...	Cu.	3	...	St.-Cu.	3	...	A.-Cu.	3	...	Cu.	1	...	p early : fine day.
29	Ci.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	10	...	St.	10	●	St.	10	●	St.	10	●⁰	Fine & ◺ early, ● *p* :
30	Cu.	4	...	St.-Cu.	6	...	Cu.	7	...	Cu.	7	...	St.-Cu.	4	...	Cu.	9	p⁰	Fine early : fair *a* : p *p* :
31	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	7	...	St.-Cu.	8	...	St.-Cu.	7	...	St.-Cu.	9	...	p early & day.
Mean Cloud Am'nt	—	8·5	—	—	8·5	—	—	8·1	—	—	7·8	—	—	8·1	—	—	7·5	—	

G.M.T.	7h.	9h.	13h.	15h.	18h.	21h.

366. Cahirciveen (Valencia Obs.). **September, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	6	...	St.-Cu.	6	...	St.-Cu.	7	...	St.	10	...	o early : fair day.
2	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	6	...	Cu.	7	...	A.-St.	10	●	St.	10	...	o early : fair *a* : ● *p and n* :
3	St.	10	●⁰	St.	10	≡⁰ ●⁰	St.	10	...	St.-Cu.	8	...	St.-Cu.	9	...	St.	10	●⁰₀	● early : o to fair day.
4	St.	8	≡⁰	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	...	St.	10	...	o ≡ to ≡⁰ early : o day.
5	St.	10	...	St.-Cu.	9	...	St.	10	●⁰	St.	10	≡⁰ ●	St.-Cu.	8	...	Cu.	8	...	● early : o *a* : ● *p* : fair *n* :
6	St.-Cu.	5	...	St.-Cu.	7	...	Cu.	3	...	Cu.	2	...	Cu.	3	...	Ci.	8	...	Fair & ☌ early : fine day.
7	St.-Cu.	8	...	A.-St.	8	...	Cu.	6	...	St.-Cu.	6	...	A.-Cu.	3	...	...	0	...	Fair & ☌ early : fine *p and n* :
8	Ci.-St.	1	☌	Ci.-St.	1	...	Ci.-St.	4	...	Ci.-Cu.	6	...	Ci.-Cu.	6	...	St.-Cu.	10	...	Fine & ☌ early : fair *p* :
9	St.	9	...	St.	10	...	St.-Cu.	7	...	St.-Cu.	9	p⁰	St.-Cu.	9	...	St.-Cu.	8	...	o early : o to c day.
10	St.-Cu.	6	☌	St.-Cu.	1	☌	Cu.	5	...	St.-Cu.	2	...	Cu.	1	...	St.	3	...	Fine & ☌ early : fine day.
11	St.	9	...	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	d early : o to c day : ● *n* :
12	St.	10	●	St.	10	●⁰	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	8	...	Nb.	10	●	● to p early : p day.
13	Nb.	10	●⁰	St.	10	p	St.	10	p	St.	10	p	St.	10	●	St.	10	●	p to ● early : p to ● *a* : ● *p and n* :
14	St.-Cu.	9	...	St.-Cu.	9	∞	St.-Cu.	8	∞	St.-Cu.	10	∞	St.-Cu.	10	∞	St.	10	●	● early : o & ∞ day : p *n* :
15	St.-Cu.	4	...	St.-Cu.	8	...	St.-Cu.	4	...	St.-Cu.	4	...	A.-Cu.	6	...	St.	10	...	Fair day : ● *n* :
16	St.	10	●⁰ ≡⁰	St.	10	●⁰ ≡⁰	St.	10	●⁰ ≡⁰	St.	10	●⁰ ≡⁰	St.	9	●⁰ ≡⁰	St.	10	●⁰ ≡⁰	● early & *a* : o & ≡⁰ *p* : p *n* :
17	St.-Cu.	5	...	St.-Cu.	5	...	St.-Cu.	8	...	St.-Cu.	3	...	St.-Cu.	3	...	St.-Cu.	6	...	p early : fair to fine day : p *n* :
18	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	10	...	St.	10	...	St.	10	●⁰	St.	10	...	p early : o to c *a* : p *p and n* :
19	St.	10	...	St.	10	...	St.	10	●⁰	St.	10	●⁰	St.	10	●	St.	10	●⁰	p to ● early : ● to p *a* : o & d *p* :
20	St.	10	≡⁰	St.	10	≡⁰	St.	10	...	St.	10	≡⁰	St.	10	...	St.	10	...	o & ≡⁰ early : p & ≡⁰ *a* : o & ≡⁰ *p* :
21	Ci.-St.	8	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	8	...	St.	10	...	Fair early : o *a* : fair *p* :
22	St.	10	≡⁰	St.-Cu.	9	...	St.	8	...	St.	8	...	A.-St.	8	...	St.	10	...	o & ≡⁰ early : fair day : o *n* :
23	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	...	o early & day.
24	St.-Cu.	8	☌	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	7	...	St.-Cu.	10	...	St.-Cu.	10	...	Fair & ☌ early : fair to o day.
25	St.	10	●	St.	10	●	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	7	...	● early & *a* : fair day : p *n* :
26	St.	10	●	St.	10	●	St.	10	...	St.	10	●	St.	10	●	St.	10	●	● early : day & *n*.
27	Cu.	9	p⁰	St.-Cu.	9	...	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	7	...	St.	3	...	o early : fair day : fine *n* :
28	St.	10	●₀	St.	10	≡⁰	St.-Cu.	8	...	St.-Cu.	7	...	St.-Cu.	3	...	Cu.	3	...	o early : fair *a* : fine *p* :
29	St.	9	☌	St.	10	...	A.-St.	10	●	St.	10	●	St.	10	...	St.	10	●	☌ early : ● *p and n* :
30	St.	10	●⁰ ≡	St.	10	≡⁰	St.	10	≡⁰ ●	St.	10	...	St.	10	...	Cu.	1	...	≡⁰ to ≡ early : o day : fine & ☌ *n* :
Mean Cloud Am'nt	—	8·5	—	—	8·7	—	—	8·0	—	—	7·8	—	—	7·8	—	—	8·2	—	

365. Cahirciveen (Valencia Obs.). **October, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.	10	☌	A.-St.	9	☌	Cu.	7	...	A.-Cu.	8	...	Ci.-St.	8	...	Ci.-St.	8	...	☌ early : fair day.
2	St.-Cu.	10	...	A.-St.	10	...	A.-St.	10	...	A.-St.	10	...	A.-St.	10	●⁰	St.	10	...	o to c *a* : o & d *p* :
3	St.-Cu.	10	...	St.	10	...	St.	10	...	St.	9	...	St.	10	●	St.	10	●	p early : o to fair *a* : ● *p* :
4	St.	10	●⁰ ≡⁰	St.	10	●⁰ ≡⁰	St.	10	...	St.	9	...	St.	10	...	Cu.	8	...	d early : p *a* : o to c *p* :
5	Cu.	7	...	St.-Cu.	10	...	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	6	...	Cu.	10	...	c to o early : fair day.
6	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	9	...	St.-Cu.	4	...	St.-Cu.	10	...	Fair early & day : o *n* :
7	St.-Cu.	10	...	St.-Cu.	7	...	Cu.	2	...	Cu.	2	...	St.-Cu.	7	...	St.-Cu.	9	≡⁰	o early : fine *a* : fair *p* :
8	St.	3	☌☌	Cu.	5	☌	Cu.	2	...	Cu.	4	...	Ci.	2	☌	—	0	≡⁰☌	Fine & ☌☌ early : fine day.
9	—	0	☌☌	St.-Cu.	7	...	St.-Cu.	8	...	A.-St.	8	...	St.-Cu.	7	...	St.	3	...	Fine & ☌☌ early : fair & ∞ day.
10	St.	6	≡⁰☌	—	0	∞	Cu.	2	∞	Cu.	3	∞	Ci.-St.	3	∞	A.-St.	1	∞	Fine & ☌ early : fine & ∞ day.
11	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	∞	St.	10	●⁰	St.	10	●	St.	10	●	o & ∞ early : d *a* : ● *p and n* :
12	St.	10	●⁰	St.	10	...	St.-Cu.	4	...	St.-Cu.	4	...	St.-Cu.	7	...	St.-Cu.	8	...	● early & *a* : fair *p* :
13	St.-Cu.	10	...	St.	10	●	St.	10	●	St.	10	...	St.	10	...	St.	10	...	● early & *a* : o *p* :
14	St.	5	...	Ci.-Cu.	4	...	A.-Cu.	1	...	A.-Cu.	1	...	...	0	...	St.	1	...	Fair early : fine dry day.
15	St.-Cu.	5	...	St.	9	...	St.-Cu.	6	...	St.-Cu.	9	...	St.-Cu.	6	...	St.	4	...	Fair to o early : fair *p* :
16	Cu.	3	...	Cu., St.	1	...	A.-St.	2	∞	Cu.	2	∞	St.-Cu.	4	∞	...	0	∞	Fair early : fine & ∞ day.
17	Cu.	2	∞	Cu.	4	∞	St.-Cu.	7	∞	St.-Cu.	6	∞	St.-Cu.	7	∞	St.	5	∞	Fine & ∞ early : fair & ∞ *p* :
18	A.-Cu.	9	∞	Ci.-Cu.	8	...	Cu.	2	...	Cu.	4	...	St.-Cu.	9	...	St.-Cu.	7	...	Fair to fine : dry & ∞ *a* : fair to o *p* :
19	Cu.	1	...	St.-Cu.	7	...	St.-Cu.	6	...	St.-Cu.	6	...	St.-Cu.	6	...	...	0	...	Fine early : fair day : fine *n* :
20	St.-Cu.	1	...	St.-Cu.	2	...	St.-Cu.	6	...	St.-Cu.	6	...	Cu.	2	...	Cu.	1	...	Fine early : fair to fine day.
21	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	8	...	A.-St.	10	...	St.-Cu.	8	...	Fair to o early : o to fair day.
22	Cu.	2	...	St.-Cu.	1	...	Cu.	4	...	St.-Cu.	9	...	St.-Cu.	9	...	St.-Cu.	5	...	Fine early & *a* : fair to o *p* :
23	St.-Cu.	4	...	Cu.	1	...	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	Fine early : o day.
24	St.-Cu.	10	∞	St.-Cu.	10	∞	St.-Cu.	9	∞	St.-Cu.	4	∞	St.-Cu.	10	∞	St.	10	∞	o & ∞ early & *a* : fair to o & ∞ *p* :
25	St.-Cu.	10	∞	St.-Cu.	8	∞	St.-Cu.	10	∞	St.-Cu.	9	∞	St.-Cu.	10	∞	St.-Cu.	10	∞	o to fair & ∞ early & day.
26	St.-Cu.	10	...	St.	10	...	St.	10	●	St.	10	●	St.-Cu.	10	●	St.-Cu.	10	●⁰	o & p early : ● day.
27	St	2	∞	Cu.	1	...	Cu.	2	...	St.-Cu.	6	...	St.-Cu.	8	...	St.-Cu.	7	...	Fine early & *a* : fine to fair *p* :
28	St.-Cu	1	...	Cu.	1	...	Cu.	2	...	Cu.	3	...	Cu.	2	...	Cu.	1	...	Very fine day.
29	St.-Cu.	1	...	Ci.-St.	9	...	Cu.	8	...	St.-Cu.	9	...	St.-Cu.	6	...	St.-Cu.	10	...	Fine early : fair to o day.
30	St	7	...	Ci.-St.	7	...	Cu.	3	...	Cu.	1	...	St.-Cu.	2	...	Cu.	3	...	Fair early : fine day.
31	St.-Cu.	9	...	St.-Cu.	7	...	St.-Cu.	10	...	St.-Cu.	10	p	St.-Cu.	10	...	St.	10	●	Fair to o early : p day, ● *n* :
Mean Cloud Am'nt	—	6·3	—	—	6·6	—	—	6·3	—	—	6·6	—	—	6·9	—	—	6·4	—	

G.M.T.	7h.	9h.	13h.	15h.	18h.	21h.

366. Cahirciveen (Valencia Obs.). **November, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.-Cu.	10	...	St.-Cu.	10	...	Cu.	8	p	St.-Cu.	6	...	St.-Cu.	7	...	St.-Cu.	6	...	● early : fair : dry & p *a* : fine *p* :
2	A.-St.	4	...	St.-Cu.	7	...	St.-Cu.	8	...	St.-Cu.	7	...	A.-St.	10	...	St.	10	...	Fair to fine *a* : fair to o & p *p* :
3	St.-Cu.	5	...	St.-Cu.	6	...	St.-Cu.	7	...	St.-Cu.	7	...	St.	10	...	Cu.	8	...	Fair *a* : fair to o & p *p* :
4	Cu.	1	...	St.-Cu.	8	...	St.-Cu.	7	...	Cu.	4	...	Ci.-Cu.	5	...	St.	8	...	p to fine early : fair day.
5	St.	10	●	St.	10	●	St.	10	●	St.-Cu.	10	...	St.	10	●	St.-Cu.	10	●^{0}	● early & *a* : p *p* : ● *n* :
6	St.-Cu.	10	...	St.-Cu.	8	p	St.-Cu.	6	...	St.-Cu.	8	...	St.	10	p	St.-Cu.	9	...	● early : fair to o & p day.
7	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	7	...	St.	10	...	St.-Cu.	7	...	St.	10	...	p early : fair to o day : ●^{0} *n* :
8	St.	10	...	St.	8	...	Cu.	6	...	St.-Cu.	6	...	St.-Cu.	2	...	Cu.	2	...	●^{0} early : fair *a* : fair & p to fine *p* :
9	St.-Cu.	6	p	St.-Cu.	10	...	St.	10	...	St.	10	●^{0}	St.	10	●	St.	10	●^{0}	Fair to o *a* : ● *p* :
10	St.	10	●	St.	10	...	St.	8	...	St.-Cu.	7	...	St.-Cu.	8	...	St.	3	...	● early : fair *a* : fair to fine *p* :
11	St.-Cu.	8	...	St.-Cu.	7	...	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	10	...	St.	5	...	Fair early : fair to o day.
12	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	...	St.	7	...	Fair early : o day : fair *n* :
13	St	10	●^{0} ≡^{0}	St.	10	●^{0} ≡^{0}	St.	10	●^{0} ≡^{0}	St.	10	●^{0} ≡^{0}	St.	10	≡^{0}	St.	10	●^{0} ≡^{0}	p & ≡^{0} early : ≡^{0} & d day.
14	St.-Cu.	8	...	Ci.-Cu.	7	...	A.-Cu.	2	...	Ci.-St.	3	...	St.	4	...	...	0	...	●^{0} early : fair to fine day.
15	—	0	p	...	0	...	St.-Cu.	7	...	St.	9	...	St.	10	...	St.-Cu.	10	...	Fine & ◡ early : fair to o day.
16	St. Cu.	10	...	St.-Cu.	9	...	St.	9	...	St.-Cu.	8	...	St.-Cu.	3	...	St.	10	...	o early : o to c *a* : fine to o *p* :
17	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	...	St.	10	...	Dull early & day.
18	St.	10	...	St.-Cu.	9	...	St.-Cu.	8	...	Cu.	4	...	Cu.	3	...	Cu.	1	...	o early : fair *a* : fine *p* :
19	St.	10	p	St.	9	...	St.-Cu.	10	...	St.-Cu.	8	...	St.	1	...	St.	9	...	o early & *a* : fine to o *p* :
20	St.-Cu.	10	p	St.-Cu.	8	...	St.-Cu.	10	...	St.	10	●^{0}	St.	10	...	St.	10	...	Fine & ◡ to o early : o & d *p* :
21	St.	10	...	St.	10	...	St.	10	...	St.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	Dull day : p^0 *n* :
22	St -Cu.	10	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	8	...	St.	10	...	St.	7	≡^{0}	o early : fair day.
23	St.	10	≡^{0}	St.-Cu.	10	...	St.	10	...	St.	10	...	St.	10	...	St.	10	≡^{0}	o early : ● *a* : o & ≡^{0} *p* :
24	St.	10	≡^{0}p	St.	10	∞	St.	10	∞	St.	8	∞	St.	10	∞	St.	10	≡^{0}	o & ≡^{0} early : o & ∞ day.
25	St.-Cu.	6	p	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	2	...	St.	1	≡^{0}	Fair & ◡ early : fair *a* : fine *p* :
26	St -Cu.	10	●^{0}	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	9	...	Cu.	2	...	St.-Cu.	9	...	p early : o *a* : b to o *p* :
27	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	6	≡^{0}	o early : o to c *a* : fair *p* :
28	St.	7	≡^{0}p	Cu.	2	...	St.-Cu.	8	...	St.	10	...	St.	10	...	St.-Cu.	10	...	Fair & ◡ early : b to o *a* : o *p* :
29	St.	10	...	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	8	...	St.-Cu.	10	...	o early & *a* : o to c *p* :
30	St.	10	●^{0}	St.	10	●	St.	10	...	St.-Cu.	7	...	St.-Cu.	8	...	St.-Cu.	10	...	●^{0} *a* : c to o *p* :
Mean Cloud Am'nt	—	8·5	—	—	8·3	—	—	8·5	—	—	8·1	—	—	7·6	—	—	7·7	—	

367. Cahirciveen (Valencia Obs.). **December, 1922.**

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.-Cu.	5	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	Fair early : dull day.
2	St.	10	...	St.	10	...	St.	10	...	St.	10	...	St.	10	...	St.-Cu.	10	...	Dull day.
3	St.	10	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	9	...	St.	7	...	St.-Cu.	10	≡^{0}	Dull & p day.
4	St.	9	...	St.-Cu.	8	...	St.	7	...	St.-Cu.	7	...	St.	3	...	St.-Cu.	10	...	o to c *a* : b to o & p *p* :
5	St.-Cu.	10	...	St.	8	...	St.	10	...	St.	10	≡^{0} ●^{0}	St.	1	...	Cu.	1	...	o to c *a* : ≡^{0} d to b *p* :
6	St.-Cu.	6	p	St.-Cu.	8	...	A.-Cu.	3	...	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	6	...	b & ◡ early : c to b *a* : o to bc *p* :
7	St.	10	≡^{0} ●^{0}	St.	10	≡^{0}	St.	6	...	St.	9	...	St.	10	≡^{0}	St.	10	...	≡^{0} & d to bc *a* : o to ≡^{0} & d *p* :
8	St.	10	≡^{0}	St.-Cu.	8	p ≡^{0}	St.	9	...	St.-Cu.	7	...	St.-Cu.	4	...	St.	10	...	● *a* : bc to o *p* :
9	St.-Cu.	10	p	St.-Cu.	9	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	...	Dull day.
10	St.	10	≡^{0}	St.-Cu.	9	≡^{0}	St.-Cu.	10	...	St.-Cu.	9	...	St.	10	...	St.	9	...	Dull day.
11	St.-Cu.	10	●^{0}	St.-Cu.	9	...	St.	10	≡^{0} ●	St.	10	...	St.	10	≡^{0}	St.	10	...	Intermittent ● all day.
12	St.	10	...	St.	10	...	St.	10	...	St.	10	...	St.	10	≡^{0}	St.	10	●^{0}	o *a* : o to ≡^{0} & d *p* :
13	Nb.	10	●	Nb.	10	●	St.	10	...	St.	10	●	St.	10	...	St.	10	p	Intermittent ● all day.
14	A.-St.	8	...	A.-St.	8	...	A.-St.	7	...	A.-St.	5	...	A.-St.	2	...	A.-St.	2	p	p early : c to b day : b & ◡ *n* :
15	St.-Cu.	9	...	A.-St.	10	...	St.	9	...	St.	10	...	St.	9	...	Fr.-St.	2	p	b & ◡ early : c to ● day : b & ◡ *n* :
16	St.	10	...	St.	10	●^{0}	St.	10	●^{0}	St.	10	p	St.	8	...	Fr.-St.	5	...	b & ◡ early : ● to p day : △ *p* :
17	A.-St.	10	...	A.-St.	10	●^{0}	St.	10	...	St.-Cu.	10	...	St.	10	●	Fr.-St.	3	...	p early : ● to p day.
18	St.-Cu.	5	...	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	8	...	St.-Cu.	10	...	St.-Cu.	7	...	△ early : o to c & △ *a* : △ & T *p* :
19	St.-Cu.	10	p ▲	St.-Cu.	8	...	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	2	...	St.-Cu.	3	...	△ early : ● & △ day : b to p *n* :
20	St.-Cu.	10	p	St.	10	p ▲	St.	10	...	St.-Cu.	7	...	St.-Cu.	5	...	St.-Cu.	4	...	△ & ● day : bc *n* :
21	St.	10	●	St.	10	●	A.-Cu.	2	...	St.	10	...	St.-Cu.	5	...	St.-Cu.	8	p	● early : o to b *a* : △ *p* :
22	St.	10	●	St.	10	⌅	St.	9	...	St.	10	p ▲	St.	10	...	St.-Cu.	8	p ⌅	⌅ early : p *a* : △ & T *p* :
23	St.-Cu.	7	...	St.-Cu.	7	...	St.-Cu.	2	...	St.-Cu.	7	...	St.-Cu.	2	...	St.-Cu.	8	p^0	p early : c to b : *a* : b to c △ & T *p* :
24	St.	3	...	St.-Cu.	8	...	St.-Cu.	8	...	St.-Cu.	9	...	St.	10	...	St.	10	●^{0}	b early : c to o & p^0 day : p^0 *n* :
25	St.	6	...	St.	7	...	St.	8	p	St.-Cu.	7	...	St.-Cu.	5	...	St.-Cu.	4	...	p early : bc to c & p day : ● *n* :
26	St.-Cu.	3	...	St.-Cu.	7	...	A.-Cu.	5	...	St.-Cu.	8	...	St.-Cu.	3	...	St.-Cu.	10	...	● early : c to b & p day p : *n* :
27	St.-Cu.	8	...	St.-Cu.	4	...	St.-Cu.	10	...	St.-Cu.	10	...	St.	10	...	St.-Cu.	7	...	p to ● early : p △ & c to o day.
28	A.-St.	6	...	St.	10	...	St.	10	●	St.	7	...	St.-Cu.	2	...	St.	10	p	p & △ early : ● *a* : c to b, o & p *p* :
29	St.	9	...	St.	10	●	St.-Cu.	8	...	St.	10	...	St.	10	...	St.	10	...	bc to o & p early : ● to p day : ● *n* :
30	St.	7	...	St.	8	p	St.-Cu.	7	...	St.-Cu.	6	...	St.	7	...	St.	10	p	p early & *a*, bc to o & p *p* : ⌅ *n* :
31	St.	10	p	Cu.	3	...	St.-Cu.	7	...	Cu.	2	...	St.-Cu.	7	...	St.-Cu.	3	...	●^{0} early : b to c *a* : c to b *p* :
Mean Cloud Am'nt	—	8·4	—	—	8·6	—	—	8·1	—	—	8·5	—	—	7·2	—	—	7·4	—	
G.M.T.	7h.			9h.			13h.			15h.			18h.			21h.			T

M.O. 259
(Section IV.)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1922

Comprising the results obtained from autographic records and eye observations at the observatories at Aberdeen, Eskdalemuir, Cahirciveen (Valencia Observatory), Richmond (Kew Observatory), and Benson.

SECTION IV.—RICHMOND

Published by the authority of the
METEOROLOGICAL COMMITTEE

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FIG. 4.

KEW OBSERVATORY.—MAIN BUILDING, AND METEOROLOGICAL INSTRUMENTS ON THE EXPOSURE LAWN.

FIG. 5.

KEW OBSERVATORY.—MAGNETIC HUT, EXPOSURE LAWN, AND EXPERIMENTAL HUT.

[*To face p.* 257

SECTION IV.

RICHMOND (KEW OBSERVATORY).

Latitude	51° 28′ N.
Longitude	0° 19′ W.
G.M.T. of Local Mean Noon	12h 1m.

Heights in Metres above Sea Level.

Barometer	10·4
Raingauge	5·5
Robinson Cup Anemograph	25
Dines Tube Anemograph	25

Heights in Metres above Ground.

Thermometer Bulbs	3·0
Sunshine Recorder	13·3
Robinson Cup Anemograph	20
Dines Tube Anemograph	20

INTRODUCTION.

SITE.

The Observatory, which derives its name from an earlier Observatory situated in Kew Palace Grounds about a mile (1½ km.) from the present building, was built in 1769 and has had continuous meteorological records since 1868. It is situated in the Old Deer Park, Richmond (Surrey), about 10 miles (16 km.) to the west of the City of London. It lies within a bend of the river Thames, and is distant about 300 metres on the north and west sides of the Observatory, which stands on a low artificial mound whose level is about 1½ metres higher than that of the surrounding park. The nature of the soil and subsoil is clay and gravel. Kew Gardens, which are extensively wooded, lie to the east-north-east, the nearest point of the Gardens being about 600 metres away. The town of Richmond, to the south-east, is about 1,100 metres distant. On the south-east side of the Park is the main road from Richmond to Kew. Old Deer Park is mainly open pasture. Round the Observatory a golf course has been laid out. Another open area partly wooded, Syon Park, lies to the north-north-east across the river. Richmond Park is about 1½ miles (2½ km). to the south-east. For a general view of the Observatory building and the exposure lawn, with the disposition of the various screens and instruments, see Figs. 4 and 5.

METEOROLOGY.

The elements dealt with in the following tables are: atmospheric pressure, temperature, humidity, rainfall, sunshine, solar radiation, wind speed and direction, earth temperature, minimum temperature on the grass, level of underground water, and a diary of cloud and weather.

For brief descriptions of most of the instruments from which values of the above elements have been obtained and of the methods of tabulating the records, reference should be made to the General Introduction (pp. 9–16). The following notes supplement, where necessary, the information contained therein.

(15931) Wt. 13586/10451/P.F.1350/588 375 8/25 Harrow G.69/13.

Notes on Instruments.

Pressure.—The barograph is mounted in the Magnetograph room (in the basement of the Observatory) where the diurnal variation of temperature is very small. The barograph magnifies barometric changes in the ratio 1·553 : 1, i.e. the equivalent change of ordinate to a change of 1 mm. in the height of the barometer is 1·553 mm. The "residual correction," which is obtained from the control observations taken daily with the standard Newman barometer at 9h, 15h and 21h, is applied to the hourly measurements made on any one photographic sheet. The Newman barometer is compared from time to time with the two large mercury standards belonging to the Observatory, which used to be the ultimate standards for the whole country when the testing of barometers was done at Kew Observatory. A zero correction is based on these comparisons. The correction applied during 1922 was + 0·2 millibar (+ ·006 mercury-inch). On a few occasions when an unexpected loss of trace occurred, the missing hourly values were derived from the Dines Float Barograph. There were only seven hours in the year in which this was necessary.

Temperature.—The thermograph is mounted in the West Room on the first floor of the Observatory. The thermometers are exposed in the screen attached to the north wall of the Observatory main building. The height of the bulbs of the recording thermometers above ground level immediately outside the building is approximately 3 metres (10 feet). The scale values are not identical for the dry and wet-bulb curves, being 1 mm. = 0·2715a for the former, and 1 mm. = 0·2901a for the latter. Control eye-readings of the standard thermometers are taken daily at 9h, 15h and 21h. The standard thermometers in the screen have their freezing point readings redetermined annually in January, and corrections are applied according to the results. When failure occurs of the dry-bulb trace recourse is had to the trace from the Callendar platinum thermometer recorder, the thermometer of which is in the north-wall screen adjacent to the mercury thermometers. Only seven hours had to be thus dealt with during the year. When the wet-bulb trace is missing or defective, the missing values are derived from the dry-bulb trace and the records of a hair hygrograph. Sixty-five hours had thus to be dealt with during the year. The loss was principally due to doubtful behaviour of the wet-bulb thermometer when near the freezing point of water. In a few cases, failure was due to imperfect moistening of the wet-bulb muslin. Publication of hourly values of wet-bulb temperatures was discontinued in 1907.

Rainfall.—The rainfall results are derived mainly from the Beckley self-recording raingauge. The receiving area is 100 sq. in. (645 cm.^{2}) approximately. In tabulating the records, readings are taken by estimation to 0·1 mm.

Sunshine.—The sunshine recorder is mounted on the south parapet of the roof.

Solar Radiation.—Observations are made with an Ångström pyrheliometer, which measures the intensity of the radiation received from the sun by a surface which is normal to the line drawn from the instrument to the sun. The observations are made within half an hour of noon on all days except those of fog or thick haze. The conditions of the intervening atmosphere are indicated in the table in the column "sky." The amount of radiation is given in milliwatts per square centimetre in the column headed "total." For conversion to the unit more ordinarily employed abroad, the following relation may be used, 1mw. per sq. cm. = 0·01435 gramme-calorie per sq. cm. per minute. The vertical component, i.e. the radiation received per square centimetre of the earth surface, is also given.

Wind Speed and Direction.—The Robinson Cup Anemograph from which the results are mainly derived is exposed on the roof of the Observatory (see Fig. 4). Data missing owing to imperfections of the trace or other causes are replaced by results from the Dines tube anemograph, the head of which is approximately at the same height as the Robinson anemograph cups.

Earth Temperature.—This is determined by two thermometers of which the bulbs are at depths of 30 cm. (1 foot) and 122 cm. (4 feet), respectively. Readings are taken at 9h each day. The thermometers are of a sluggish type, the bulbs being enclosed in wax, and are suspended by chains inside iron tubes sunk in the garden. The surface is grass, which is kept short throughout the year.

Minimum Temperature on the Grass.—The grass minimum thermometer is set at 18h and read at 9h on the succeeding day, the reading being assigned to the day of reading.

Notes on the Meteorological Tables.

Pressure.—The highest and lowest of the mean daily values throughout 1922 were 1040·9 mb. on November 16th and 975·4 mb. on December 30th. The range in Table 381, *i.e.* the algebraic difference between the extreme hourly values, varies somewhat irregularly from month to month, the largest range, 1·43 mb. in May, being nearly double the lowest, 0·77 mb. in January. As usual, the type of the diurnal variation differs widely in different months, though a distinct double oscillation is always recognisable. In 7 months out of the 12 the principal maximum appears at 9h, 10h or 11h, 10h being the hour of its occurrence for the year as a whole; but in 4 of the remaining 5 months it appears at 23h. In the case of the year* the principal minimum occurs at 16h. It occurs in the afternoon in 8 months, and in the forenoon in 4 months. The differences between different months and seasons are most clearly brought out by considering the Fourier coefficients calculated from the diurnal inequalities of the several months.

The inequality is supposed to be given by the equivalent formulae—

$$a_1 \cos 15t^\circ + b_1 \sin 15t^\circ + a_2 \cos 30t^\circ + b_2 \sin 30t^\circ + \ldots$$

$$c_1 \sin (15t^\circ + \alpha_1) + c_2 \sin (30t^\circ + \alpha_2) + \ldots$$

t being the time in hours elapsed since the first midnight of the day. The curves being tabulated according to Greenwich time, the values of the Fourier coefficients, as originally calculated, referred to Greenwich time. In Table A, p. 260, however, the phase angles refer really to local mean time, allowance having been made for the difference between Greenwich and local time. It has not been thought necessary to record here the values of the a and b coefficients, which remain available at the observatory for future use. In addition to the monthly and seasonal values, the arithmetic mean of the twelve monthly values for the amplitudes c_1, c_2, c_3 and c_4 are also given. In cases such as that of the 12-hour wave, where the variation in the phase angle throughout the year is small, the result from the mean diurnal inequality for the year gives an adequate idea of the real importance of the term. But when the phase angle is as variable as it is in the case of the 24-hour wave, the contributions from the different months to the mean diurnal inequality for the year cancel out to such an extent that a very inadequate idea is conveyed. The variations in the 24-hour phase angle would seem to have been greater than usual, as the arithmetic mean value of c_1 is above the average for the period 1871 to 1882, while the value of c_1 for the mean diurnal inequality of the year is considerably below the normal for that period of years and also for the longer period 1871 to 1915. The summer season showed a lesser variability of phase angle than the others, and it is to this that it owes its relatively large value for c_1.

While the 12-hour term phase angle α_2 is much less variable than α_1, it has very sensibly different values for the three seasons. As usual, the summer value is the lowest, and the equinoctial the highest. The values of c_2 for the year and the seasons seem all a little below the average.

* The apparent inconsistency between the figures for the representative day in Table 380, and the diurnal inequality for the year in Table 381, is due to the large non-cyclic correction entailed by the fact that the pressure at oh. on January 1st exceeded that at 24h. on December 31st by 30·3 millibars.

The phase angle α_3 has, as usual, a large comparatively regular annual variation. It is the transition between the high values of winter and much lower values of summer, that leads to the very low values of c_3 exhibited in the equinoctial months. The value of c_3 in the mean diurnal inequality for the year gives an even more inadequate idea than usual of the relative importance of the 8-hour term.

The phase angle α_4 is also highly variable. The variations are of a less regular character than those of α_3, and probably owe more to accident. It is the greater variability of α_4 in the winter months that is the principal reason why the value of c_4 for equinox so largely exceeds that for winter. But little weight attaches to values of c_4 and α_4 for individual months.

Table 382 records the highest and the lowest pressure for each day of the year. The highest pressure of the year, 1042·4 mb., was recorded on November 16, and the lowest pressure, 968·5 mb., on March 8. Thus the range for the year was 73·9 mb. The largest range of pressure experienced in any one month was 61·8 mb. in December, the mean of the 12 monthly ranges being 43·0 mb. The mean daily range for each month is deducible from the values of the mean maximum and the mean minimum in the last line of Table 382. These mean daily ranges vary from 8·79 mb. in April to 4·39 mb. in June. Allowing equal weight to the several months, the mean daily range for the year is 7·15 mb. This is nearly 10 times the range of the regular diurnal inequality for the year given in Table 381. This helps to bring out the smallness of the regular changes of barometric pressure as compared with the irregular changes.

Table A.

Diurnal Variation of Barometric Pressure. Fourier Coefficients.

Richmond (Kew Observatory), Longitude 0° 19′ W.

Month or Season.	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4
	mb.	° ′	mb.	°	mb.	°	mb.	°
January	·174	19 13	·225	139·9	·125	359	·048	196
February	·120	221 53	·428	138·3	·127	341	·050	35
March	·427	116 35	·349	129·9	·021	263	·068	50
April	·269	316 4	·366	165·3	·014	127	·057	7
May	·555	18 35	·335	141·0	·097	166	·009	312
June	·444	25 47	·343	138·0	·109	165	·014	295
July	·164	111 11	·239	142·6	·140	146	·011	43
August	·168	346 46	·307	139·2	·100	134	·045	285
September	·155	302 52	·364	156·7	·017	269	·043	309
October	·064	20 33	·379	159·3	·076	347	·004	331
November	·399	80 10	·384	161·2	·121	349	·007	65
December	·434	219 15	·218	150·1	·147	332	·051	159
Arithmetic Mean ..	·281	..	·328	..	·091	..	·034	..
Year	·099	34 8	·321	147·2	·014	8	·009	4
Winter	·054	153 34	·308	147·4	·128	345	·016	140
Equinox	·043	30 29	·355	153·3	·019	326	·033	10
Summer	·284	25 16	·306	140·0	·109	152	·016	300

Note.—*Winter* comprises the four months, January, February, November, December.
Equinox the months March, April, September, October, and *Summer* May to August.

Temperature.—The highest and lowest of the mean daily values throughout the year were 296·4a (74·1° F.) on May 23rd, and 271·3a (28·9° F.) on January 24th. The mean temperature of the representative day of the year was 282·66a (49·4° F.).

Fourier coefficients were calculated from the inequality data, as in the case of barometric pressure. The amplitudes and phase angles are given in Table B, p. 261. The small variation in the 24-hour term phase angle is emphasised by the smallness in the excess of the arithmetic mean value of c_1 over the value from the mean diurnal inequality for the year. The 24-hour term is the dominant one, especially in summer.

Absolutely considered, the 12-hour term is largest in the equinoctial season, but relative to the 24-hour term it is most important in winter. The small value of c_2 in May arises apparently from a change then occurring in the phase angle; the resulting phase angle for the month is of doubtful significance. The 8-hour term is largest in the summer and least in the equinoctial season, a large change of phase angle occurring in the latter. The summer and winter 8-hour waves are nearly opposite in phase.

The 6-hour wave phase angle is very variable throughout the year, with the result that while the summer value and the arithmetic mean of the 12 monthly values of c_4 are very sensible, the amplitude for the mean diurnal inequality of the entire year is practically zero.

The highest temperature of the year, 303·3a (86·5° F.), was recorded at an unusually early date, May 24th. The lowest temperature, 269·8a (26·2° F.), was recorded on two dates, January 18th and April 2nd. The highest and lowest temperatures of the year were thus recorded within 52 days of one another. The range of temperature for the year was 33·5a (60·3° F.). The largest range of temperature in any one month was 28·6a (51·5° F.) in May, the mean of the twelve monthly ranges being 18·5a (33·3° F.). The mean daily range for each month is deducible from the values of the mean maximum and the mean minimum. These mean daily ranges vary from 11·5a in May to 4·3a in December. Allowing equal weight to the several months, the mean daily range for the year is 7·37a (13·3° F.). This is only 44 per cent. larger than the range in the mean diurnal inequality for the year.

TABLE B.

Diurnal Variation of Temperature. Fourier Coefficients.

Richmond (Kew Observatory), Longitude 0° 19′ W.

Month or Season.	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4
	a.	° ′	a.	°	a.	°	a.	°
January	1·085	222 18	·478	37·1	·210	193	·028	334
February	1·739	222 54	·607	37·6	·161	194	·069	165
March	1·679	227 58	·595	27·9	·057	322	·083	208
April	2·796	222 42	·544	52·9	·185	19	·057	216
May	4·910	222 41	·021	280·1	·440	37	·155	28
June	3·751	223 33	·120	184·4	·330	31	·099	18
July	3·020	226 53	·109	124·3	·240	22	·138	17
August	3·063	223 51	·340	65·9	·213	22	·030	347
September	2·864	227 46	·607	44·6	·183	0	·116	214
October	2·426	227 54	·793	53·2	·098	277	·134	212
November	1·885	229 0	·594	34·0	·164	210	·034	118
December	0·793	219 53	·458	44·8	·181	201	·051	43
Arithmetic Mean ..	2·501	..	·439	..	·205	..	·083	..
Year	2·499	224 52	·404	45·4	·071	20	·004	354
Winter	1·373	224 26	·533	38·3	·178	199	·018	105
Equinox	2·440	226 23	·625	45·3	·105	350	·098	213
Summer	3·685	224 0	·093	95·9	·304	30	·104	19

Note.—*Winter* comprises the four months January, February, November, December.
Equinox the months March, April, September, October, and *Summer* May to August.

Relative Humidity.—The highest mean daily value of relative humidity was 98·3 per cent. on January 22nd, and the lowest 55·7 per cent. on June 1st. The highest mean daily value of vapour pressure was 17·7 mb. on May 22nd, and the lowest 3·4 mb. on January 24th.

In the inequalities of relative humidity for the summer months, and for the year as a whole, only a single oscillation is clearly visible in the 24 hours, the

maximum occurring in the forenoon and the minimum in the early afternoon, but most months show traces of a double oscillation with a secondary minimum in the morning.

Rainfall.—As the irregularity of the figures in Table 412 shows, there is a good deal that must be regarded as accidental in the hourly figures for any one year. The total amount for the year, 567·6 mm. (22·35 in.), is in no way remarkable. Of this, 334·2 mm., or 59 per cent., fell in the afternoon. The average rate of rainfall, when rain occurred, was 1·15 mm. per hour, being 1·25 mm. per hour for the afternoon as against 1·04 mm. per hour for the forenoon.

The monthly totals of rainfall varied from 83·8 mm. (3·30 in.) in July to 19·0 mm. (0·75 in.) in October, and the monthly durations from 67·6 hours in April to 12·2 hours in May. The greatest rainfall in any one (Greenwich) day was 16·2 mm. (0·64 in.) on August 6th.

Sunshine.—May, with a total of 290·6 hours of sunshine, 60 per cent. of the possible, was the sunniest month of the year; while November, with a total of 40·2 hours, 15 per cent. of the possible, was the least sunny. The longest duration of sunshine on any one day was 14·7 hours on May 28. The total for the preceding day, May 27th, was only 0·4 hours less, and on both days there was continuous record from 5h to 19h. The total duration on August 26th was 2 hours less than on May 28th; but the percentage of the possible, 91, was the same on the two days, being the highest of the year. In the year as a whole there were 71 days in which no sunshine was recorded. Of these, 13 occurred in January and 17 in November. In July and August, though the total monthly duration was poor, there was no single day absolutely devoid of sunshine.

Solar Radiation.—The highest value of the total radiation was 88·8 mw/cm.^{2} on August 23rd, the highest value of the vertical component being 77 mw/cm.^{2} on June 29th.

Wind Speed and Direction.—April 15th, with an average velocity of 11·0 metres per second, was the most windy day of the year. At the other end of the scale the two successive days November 21st and 22nd had each an apparent mean wind velocity of only 0·5 metres per second. At low velocities, however, the effects of friction are apt to be large and uncertain. The mean monthly velocities varied from 4·97 metres per second in March, to 2·30 metres per second in November, the mean of the twelve monthly means being 3·64 metres per second.

On the average of the twelve months the mean hourly values were as follows, the highest and lowest values being in heavy type:—

Hour ..	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	
Velocity..	2·92	2·77	2·92	**2·74**	2·94	2·88	3·25	3·50	3·86	4·19	4·71	4·71	m/s
Hour ..	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h	
Velocity..	**4·90**	4·69	4·73	4·28	4·23	3·77	3·73	3·27	3·26	2·99	3·05	2·84	m/s

For the twelve hours ending with 18h the mean velocity was 4·24 metres per second, as against 3·03 metres per second for the remaining twelve hours.

The highest instantaneous value of the wind velocity for each day, as recorded by the Dines tube anemograph, and the time of its occurrence to the nearest 5 minutes was not available subsequent to December 3rd owing to the instrument being out of action. The highest velocity of the year, 25 metres per second, was recorded at 2h. 30m. on March 1st.

During the year there was no occasion on which the mean wind velocity for any 60-minutes centering at an exact hour G.M.T. exceeded 17·1 metres per second, and there were only 39 such hours, distributed over 12 days, when the mean velocity exceeded 10·8 metres per second. If the highest hourly velocities in Table 451 be compared with the corresponding velocities from the cup anemograph in Tables 438–449, it will be found that the latter are on the average slightly the larger; but the differences between the two sets of values are mostly very small, being less than 0·5 metres per second in 8 months out of the twelve.

Earth Temperature.—In examining the results, it has to be borne in mind that there is a very sensible regular diurnal variation of temperature at 30 cm. depth, the amplitude varying with the season, and, moreover, the mean value for the day is not found at 9h. This is no doubt partly accountable for the irregular variation in the differences between the mean monthly values at 30 cm. depth in Table 452, and the monthly mean values of air temperature in Table 396. The algebraic excess of the temperature at 30 cm. depth over the air temperature varies only from + 1·0a in August to — 1·4a in May. The diurnal variation of temperature at 122 cm. depth is very small, and the differences between the mean monthly temperatures at that depth and the corresponding air temperatures show a fairly regular progression throughout the year. The algebraic excess of the temperature at 122 cm. depth over the air temperature varies from + 3·2a in October to — 4·2a in May. The underground temperature is the higher except in the 4 months May to August, and in the year as a whole it is the higher by 0·6a. The mean monthly temperature at 122 cm. exceeds that at 30 cm. during the same months in which it exceeds the air temperature. The algebraic excess of the temperature at 122 cm. varies in this case from + 3·5a in November to — 2·8a in May. At 30 cm. depth, the highest and lowest temperatures recorded during the year were 291·0a on June 1st, 2nd, 3rd, and 274·4a on February 14th and 15th. At 122 cm. depth the highest and lowest temperatures were 287·7a on August 26th, and 278·7a on February 1st. The absolute range during the year thus reduces from 33·5a (60·3° F.) in the screen to 16·6a (29·9° F.) at 30 cm. depth, and to 9·0a (16·2° F.) at 122 cm. depth.

Grass Minimum Temperature.—The mean of the monthly means is 276·04a (37·5° F.). The monthly mean fell below the freezing point of water in April and November, being 272·2a (30·6° F.) in the latter month. The highest mean monthly value, that for July, exceeds the lowest by only 9·2a (16·6° F.). The lowest grass minimum temperature of the month exceeded the freezing point of water in only three months, viz., June, July and August. The lowest temperature recorded during the year was 265·0a (17·6° F.) on February 14th. The difference between the lowest temperature and the mean temperature for the month was remarkably uniform, varying only from 6·1a in July and November to 8·7a in September.

Level of Underground Water.—Table 454 gives the mean daily value of the level of underground water and the highest and lowest levels attained during each month. The heights are reckoned from mean sea level. The level actually measured is the surface of water in a pipe which passes down through the floor of the basement into the ground immediately under the Observatory.* The water level depends partly on the local rainfall, and partly on the level of water in the river Thames. The height of the river depends partly on the rainfall throughout the whole Thames Valley and partly on the tides. A fortnightly fluctuation can be recognised throughout a considerable part of the year.

The general tendency in the water level was to rise from the minimum appearing in January to the maximum appearing in April, the total rise in the level from January 20th to April 19th being 102 cm. During the last seven months the fluctuations were comparatively small. Taking the whole year, there was a rise in the level of about 30 cm.

* A description of the instrument is given in the Annual Supplement to the *Geophysical Journal*, 1914.

Diary of Cloud and Weather.—As explained in the footnotes, observations are lacking at 15h on Sundays and a few other days. The last line in each monthly table gives the mean amount of cloud for each of the six hours of observation. The following mean data are derived from these :—

Mean Amount of Cloud from Six Observation Hours.

Month	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Cloud..	7·4	6·3	7·3	7·0	4·5	6·4	7·5	7·5	7·3	5·9	7·3	7·4	6·8

Mean Amount of Cloud for the Year at the Six Observation Hours.

Hour ..	7h	9h	13h	15h	18h	21h
Cloud..	7·0	7·0	7·2	7·5	6·4	5·7

May was thus much the least cloudy month of the year, while July and August were slightly more cloudy than January and December. At 21h in May the mean amount of cloud was only 2·8, while at 15h in August it was 8·4, or three times as much. For the year as a whole 15h was the most cloudy hour.

ATMOSPHERIC ELECTRICITY.

The instruments in use throughout the year in connection with atmospheric electricity have been the Kelvin water-dropper and the Benndorf radium collector electrographs, the Kelvin portable electrometer No. 80, the electrostatic voltmeters Nos. 1684 and 1685, a Wilson universal electrometer and two Ebert aspiration apparatus.

The portable electrometer and the electrostatic voltmeters are used for converting the electrogram readings into true potential gradient in the open. The apparatus for the absolute observations consists essentially of a long insulated rod, carrying a lighted fuse at the end, connected to the electrometer or voltmeter. Readings are taken with the fuse at one metre and at two metres above the ground, the grass on which is kept short. The site is in the Observatory garden, as remote as possible from trees or buildings. If no change occurred in the position or environment of the water-dropper—the instrument the curves from which are regularly tabulated—a constant ratio might persist between the potential at the spot where the jet breaks into drops (the variations in which we aim at recording) and the corresponding potential observed with the absolute instruments. But the assumption of a constant ratio is unsafe, and the practice is to calculate a factor for each month based on the absolute observations which are taken in the garden on all convenient dry days.

The data appearing in Table 467 have hitherto been published in the *Geophysical Journal*. They include for each month the character figure assigned from consideration of the whole day's curve, the air-earth current, and the charges per c.c. of the more mobile positive and negative ions caught by the Ebert apparatus. The last three items are derived from observations extending over some 20 minutes near 15h. Of the character figures, 0 simply denotes the absence of negative potential, 1 implies the existence of negative potential at one or at more times during the day, but with a total duration of less than 3 hours, while 2 implies the existence of negative potential with a total duration exceeding 3 hours. There are few days on which the potential gradient curves do not show numerous short period oscillations, superposed on the regular diurnal variation. In fact the absence of such oscillations can usually be accepted as evidence of imperfect insulation in the electrograph. Thus character 0 does not connote the absence of irregular oscillations, as it does in the case of magnetic curves. Still it is unusual on days free from negative potential to have the large

rapid oscillations which usually accompany negative potential. The duration of negative potential and the amplitudes of the extreme negative voltages are much greater on some days of character 2 than others ; and even in the case of character 1 the duration of negative potential may be anything from 1 or 2 minutes to 3 hours. Thus these numerals, and still more the monthly means of the character figures, have no precise physical significance. At the same time, the monthly mean gives a fairly satisfactory rough idea of the greater or less prevalence of negative potential throughout the month. According to this criterion, April showed much more negative potential than any other month. As explained later, it was necessary in this month to employ for the calculation of the diurnal inequalities several 24-hour periods which were not Greenwich days (see p. 266). At the other end of the scale, June, September and November had all a mean character figure of 0·43. Of these November had the largest number, 20, of days wholly free from negative potential.

There were two February days to which no character figure could be assigned owing to lack of trace. Of the remaining 363 days there were 179, or 49 per cent., which were free from negative potential, while 150 were of character 1, and 34 of character 2. Taking the yearly totals we should get 0·60 as the mean character for the year.

The air-earth current and the ionic charges are not observed if there is rain. The air-earth current is not measured unless the potential gradient is positive, and on very damp days the insulation of the Ebert apparatus is apt to break down. Data are available for about half the days of the year.

The conditions under which the air-earth current is measured are maintained as uniform as possible, but they differ from the conditions under which the vertical current passes from the air to the earth in a freely exposed situation. The presumption is that the results obtained would require to be multiplied by a factor to represent the true air-earth current. The mean monthly values observed vary from 1·03 in August and October to 0·49 in November. For the year, allowing the same weight to each month, the mean is 0·74, the unit being 10^{-16} ampere per square centimetre.

As the days when electric charge measurements were made only for ions of one sign were very few, it was deemed best to derive the monthly means only from those days when ions of both signs were measured. The monthly means thus obtained for the positive charges varied from ·79 in August to ·38 in December, while they varied in the case of the negative charges from ·59 in August to ·27 in December. For the year, allowing equal weight to the several months, the means are 0·54 for the positive, and 0·41 for the negative charges, in terms of the unit 10^{-16} coulomb per cubic centimetre.

Table 468 also gives data hitherto published in the *Geophysical Journal*. They are derived from measurements of the electrograms taken with a mean value scale as in late years. They represent 60-minute means at the exact hours 3h, 9h, 15h, and 21h G.M.T. Blanks indicate that the trace was in some way defective. On some occasions the curve, though existent, is so oscillatory that no satisfactory estimate is possible of the mean value of the ordinate. Such occasions are indicated by the letter z. If there is no doubt as to the sign of the mean value, though a numerical measure is unobtainable, the sign is indicated by a + or a − attached to the z. The symbol z ± indicates that there were oscillations on both sides of the zero line, and that the sign of the mean value was uncertain. Occasionally a gap in the record from the Kelvin electrograph could be filled by reference to the corresponding Benndorf trace, but such occasions were rare.

The extreme hourly mean values in Table 468 are + 1345 v/m at 21h on April 8, and − 1195 v/m at 15h December 27. But much higher instantaneous values were recorded, and possibly even higher mean hourly values might have been obtained from the occasions when the trace was too oscillatory to be measured.

Of the two sets of mean monthly values at 3h, 9h, 15h and 21h given in Table 468 at the foot of each month's data, the first set (*a*) represents the arithmetic means of all the positive potentials in the column, the second set (*b*) represents the algebraic mean derived from all days on which all four hours were represented. The last line gives the mean value for each month as derived from the (*a*) and the (*b*) values, respectively.

Most meteorological elements when analysed into Fourier waves of periods 24, 12, 8. . . hours, have the 24 and 12-hour waves dominant as compared with the others, and the same is true of potential gradient. Whatever their phase angles may be, the 24, 12 and 8-hour waves contribute exactly nothing to a daily mean based on the readings at 3h, 9h, 15h and 21h. The 6-hour wave is in identically the same phase at 3h, 9h, 15h and 21h, so its contribution to a daily mean derived from these four hours may be anything from zero up to the full value of c_4, the amplitude of the wave. According to the analysis made of the potential gradient data from 1898 to 1912 at Kew the arithmetic means of the twelve monthly values of the amplitudes of the first four Fourier waves were : $c_1 = 28{\cdot}47$ v/m, $c_2 = 49{\cdot}02$ v/m, $c_3 = 9{\cdot}53$ v/m, $c_4 = 6{\cdot}96$ v/m. It has also been found that the first four Fourier waves suffice to represent the diurnal inequality with fairly high precision. Thus what we should expect *à priori* is that a mean derived from the values of the potential gradient at 3h, 9h, 15h and 21h will show differences of the order of 5 v/m from the true daily mean. Taking the quiet day results in Table 469 and considering the seasons and the year, it was found that the mean from the four hours specified was in each case in excess of the true daily mean, the respective values of the excess being :—

Winter 1·1 v/m, Equinox 8·5 v/m, Summer 3·8 v/m, Year 4·5 v/m. There is thus a strong presumption that the values in the last line in Table 468 make a close approach to the monthly means we should have got if the whole 24 hours of the day had been included. In other words, the values (*a*) may be expected to give very approximately the true monthly mean from all days when negative potentials are excluded, while the values (*b*) may be expected to give very approximately the true monthly mean when negative potentials are included. But a reservation is necessary in both cases, for the highly oscillatory occasions such as are met with during thunderstorms have been omitted, and this omission may have a sensible effect.

If the monthly means in Tables 468 and 469 be compared it will be found that in most months the quiet day mean is appreciably the highest, and the mean from all complete days appreciably the lowest. For the year as a whole, we have 293 v/m from the positive potentials and 271 v/m from the complete days in Table 468, as compared with 318 v/m from the quiet days.

The diurnal inequalities and the mean monthly and annual values in Table 469 are based on the curves of quiet days selected from those entirely free from negative potential. Other objects aimed at in the selection of the days are freedom from large irregular movements, absence of indications of inferior insulation in the electrograph, and the avoidance, so far as possible, of large non-cyclic changes. The quiet days numbered 10 in each month ; but to complete that number in April it was necessary to include several 24-hour periods which did not commence at midnight. All the hourly measurements on which Table 469 depends were taken with a mean-value scale, the mean ordinate being estimated for a 60-minute interval centering at the hour G.M.T. Non-cyclic corrections were applied in the usual way. These are given in Table 469 for each month except April, when the 24-hour periods had to be separately considered.

The mean value and the inequality for any single month are largely dependent on the weather prevailing during the selected days. The mean value for the year, 318 v/m, is nearly the same as in 1920, but is 37 v/m in excess of the value for 1921. The mean values from the winter months of 1921 and 1922 were practically identical, but the mean value from the six months March to August, 1922, was 51 v/m in excess of the mean for the corresponding six months of 1921. The abnormality lies apparently with 1921, not with 1922. It was probably associated with the exceptional purity of the atmosphere of the former period brought about by the coal strike.

The principal minimum occurs in the early morning in all the seasons, and in every single month, except May and July, when it occurs at 15h. A depression in the early afternoon is sufficiently visible in every month except November, which shows a somewhat abnormal variation. The principal maximum occurs in the

forenoon in the summer and winter seasons and the four summer months; but in the majority of months, in the equinoctial season and in the year as a whole, it occurs in the afternoon. The excess of the afternoon maximum in the case of the year is very small.

ATMOSPHERIC POLLUTION.

Tables 470 and 471 give results derived from the Owens' atmospheric pollution recorder.* The instrument is situated in the same building as the electrograph, and the level of the air it samples is about $1\frac{1}{2}$ metres above that of the adjacent ground. The weights of the pollution are not obtained directly, but are deduced from shade numbers 0, 1, 2, etc., assigned to records on filter paper through which a measured volume of air has been drawn. Shade number 1, answered to 0·32 milligrams per cubic metre, according to Dr. Owens' determinations.

Table 470 gives mean hourly values derived from all the days of the month for which complete records were obtained. There were 342 such days in the year. The highest and lowest of these hourly values are in heavy type.

Table 471 gives diurnal inequalities derived from the data in Table 470 after the application of non-cyclic corrections. The principal reason for computing the diurnal inequalities was to facilitate comparison with the corresponding diurnal variations in barometric pressure and the potential gradient of atmospheric electricity.

Atmospheric pollution is so much higher in some individual days than in the average day that there is inevitably a considerable accidental element in Tables 470 and 471. An outstanding example was afforded by January 22. On that day the mean value for the day and the largest of the hourly values were, respectively, 2·2 and 6·4 milligrams per cubic metre. The latter value is more than double the next highest hourly value obtained during the year. These exceptionally high values occur during fog.

The nature of the diurnal variation is most easily recognised in Table 471. There is usually a well marked double oscillation, but the hours of the principal maximum and minimum vary markedly with the season. In six successive months, including the summer season, the principal maximum occurred at 7h, but in most of the other months, and in the winter season, it occurred in the afternoon. On the other hand, in most months, including all the winter months, the principal minimum occurred in the morning, but in May, June and September, and in the summer season, it occurred in the early afternoon.

TERRESTRIAL MAGNETISM.

Absolute observations of declination, dip and horizontal force have been taken usually once a week. The instruments employed have been the Jones' unifilar magnetometer with declination magnet K.O.90, collimator magnet K.C.1 and mirror magnet A.N, and the Barrow dip circle No. 33, with $3\frac{1}{2}$-inch needles. In the absolute observations of horizontal force, deflections were made at three distances, 22·5, 30 and 40 cms., and values were calculated for the distribution constants P and Q from all the observations of the year. The values obtained of late years have been as follows:—

Year.	P.	Q.	Mean Value at 22·5, 30 and 40 cms. of $\log_{10}(1+Pr^{-2}+Qr^{-4})$
1918	+1·683	−1565	$\bar{1}$·99965
1919	+1·496	−1525	$\bar{1}$·99958
1920	+0·971	−1280	$\bar{1}$·99950
1921	+0·272	−1054	$\bar{1}$·99930
1922	+1·809	−1642	$\bar{1}$·99966

* A description of the instrument is given in the *Report of the Advisory Committee for Atmospheric Pollution* for 1917–1918.

Values for earlier years will be found in the Report for the year 1920. Numerical increases in P and Q tend to neutralise one another. The fluctuations shown are probably in part accidental. Originally the values obtained for 1921 were employed when reducing the observations of 1922. The substitution of the values appropriate to 1922 would have entailed a correction of $+7{\cdot}6\gamma$ to the values of H. On the other hand, a redetermination which had been made of the moment of inertia of the Jones' collimator magnet indicated the necessity of a correction of $-8{\cdot}9\gamma$ owing to decline of the moment below the assumed value. The resultant correction being thus $-1{\cdot}3\gamma$, a correction of -1γ was applied to the provisional values.

The Adie magnetographs have remained in regular operation during the year. The scale value of the declination magnetograph remained as in previous years 1 mm. = 0·87′. The scale value found for the H magnetograph in January was 1 mm. = $5{\cdot}8\gamma$. On July 26th a change of sensitiveness to 1 mm. = $4{\cdot}0\gamma$ was made unintentionally when altering the mirror carried by the magnet with the object of bringing the trace further up the sheet. The change having been detected, the sensitiveness was again altered on August 4th. Subsequent redeterminations of the equivalent of 1 mm. of ordinate gave $5{\cdot}5\gamma$ on August 9th and 11th, and $5{\cdot}6\gamma$ on August 14th and 23rd. By the end of the year the sensitiveness had become nearly 1 mm. = $5{\cdot}7\gamma$. As in previous years, a temperature correction of $3{\cdot}1\gamma$ per 1° C. was applied to the readings of the horizontal force curves. The base values of the D and H curves were derived from the absolute observations in the usual way. Scale value determinations were also made of the V magnetograph in January and March and at the end of the year, the individual results varying only between $11{\cdot}5\gamma$ and $11{\cdot}7\gamma$ for the value of 1 mm. The method of determining the scale values was that due to Broun, an auxiliary magnet being used to deflect the D and H magnets at the same distances and under like conditions and similarly with the D and V magnets. The D, H and V magnets are alike in size and shape, and the deflection distances relatively large, viz., 85 cm. for H and D, and 75 cm. for V and D. The disturbance of the magnetic curves by artificial electric currents has been much as in the previous year. The publication of diurnal inequalities of D and H has thus been continued.

Particulars of the magnetic character of individual days on the international scale "0" (quiet), "1" (moderately disturbed) and "2" (highly disturbed), as contributed quarterly to Prof. van Everdingen, at De Bilt, for utilisation in the international lists, appear in Table 476. It also gives the number of days in each month to which the several characters were assigned, and the numerical mean of the character figures treated as if ordinary arithmetical quantities. As there is a wide range in the disturbance to which any one figure is attached, and an uncertain personal element in assigning the figure, the monthly means should be regarded as giving only a general indication of the disturbance prevailing.

The mean character figure is slightly greater than in 1921, there being 9 more days of character 2. The distribution of highly disturbed days was fairly normal, there being 24 in the equinoctial months, as compared with 18 in the winter months and 11 in the summer months. March and February were the most disturbed months, while December, June and November were the quietest.

The following were amongst the most disturbed days of the year: January 8th, 9th, 24th; March 1st, 2nd, 5th, 13th, 14th; April 9th, 22nd; July 26th, 27th; August 11th, 12th; September 14th; October 5th, 31st. No disturbance, however, was at all of the same order as that of May 14th–15th, 1921.

In arriving at the international character figures, all three elements, D, H and V, are taken into account. But at Kew Observatory large disturbance in V is rare and is always accompanied by large disturbance in D and H, thus it is immaterial whether the V curves are considered or not. But on individual occasions disturbance may be much more prominent in H than in D, and conversely.

When compiling the weekly chronicle now prepared for Mining Engineers, D only is under consideration, also the object in view is somewhat different. In the case of

Mining Engineers the precise period of the day which is disturbed is important. Two-hour periods are dealt with, and when character 2 is assigned to a particular day, the periods during which the D curve has that character are particularised. The number of these disturbed periods at different hours of the day during 1922 was as follows :—

Hour ..	0–2h	2–4h	4–6h	6–8h	8–10h	10–12h	12–14h	14–16h	16–18h	18–20h	20–22h	22–24h
Disturbed occasions ..	18	19	12	7	3	2	3	16	20	23	22	16

This represents a total for the year of 161 occasions, i.e. 322 hours, considered highly disturbed. The corresponding total for 1921 was 248 hours. Of the 322 disturbed hours during 1922, March contributed 82 and October 46, the total from the four equinoctial months being 174, or 54 per cent. of the whole. The contribution from November and December was nil. The twelve hours, 4h–16h, contributed only 27 per cent. of the disturbed hours, as compared with 31 per cent. in the previous year.

The data for Mining Engineers are issued within a few days of the end of the week, so that the characters have to be settled for only a few days at a time ; also D alone is considered. The days thus awarded characters 0, 1 and 2 numbered, respectively, 167, 157 and 40, giving a mean character figure for the year of 0·65, as compared with 0·54 for 1921.

Prior to 1919 diurnal inequalities were given only for the five international quiet days, and before taking the readings the curves were smoothed by hand. A change of procedure appeared desirable when D inequalities were prepared from all ordinary days. Accordingly, all the curves are now measured with a mean value scale, the 60-minute intervals employed centering at exact hours G.M.T.

In all the inequalities the non-cyclic change has been allowed for in the usual way, i.e. by assuming it to come in at a uniform rate throughout the day. Particulars as to the size of the non-cyclic changes are given in Table 477. In addition to the results for 1922 there are data for the previous ten years, so far as are available, so as to cover a complete sunspot period. Results for D′ (the ordinary day declination) were available only from 1918. As usual, the non-cyclic changes in D′ and D (i.e. the quiet day declination) vary irregularly from month to month ; but in the case of D, there is a decided positive balance in the year as a whole. This implies a slight tendency to the west—i.e. in the opposite direction to the secular change—on quiet days. As is usual on quiet days, the non-cyclic change in H has a decided tendency to be positive, no single month giving a negative value. The mean value for the year, as a whole, was exceeded in each of the seven preceding years, and is decidedly below the mean for the 11-year period. The values in the year near sunspot minimum, 1913, were smaller.

The diurnal inequalities of declination from ordinary days, i.e. all days except those highly disturbed, are given in Table 472. Of the 40 days omitted as highly disturbed, 18 occurred in the equinoctial months, 10 in the winter months, and 12 in the summer months.

The diurnal inequalities for D and H from the international quiet days are given in Tables 473 and 474. The international quiet days in 1922 had the following dates :—

January ..	3	4	15	21	22	July	8	11	12	21	22
February ..	7	11	23	24	25	August ..	2	3	17	18	28
March ..	7	8	9	23	24	September ..	2	22	23	24	26
April ..	4	5	6	7	19	October ..	1	16	18	19	22
May ..	2	3	15	30	31	November ..	6	7	13	18	26
June ..	10	11	15	24	25	December ..	3	8	16	22	23

The units employed in the inequality tables are 1′ in D and 1γ (1×10^{-5} C.G.S.) in H. In the case of D the minus sign means that the magnet points to the east of its mean position for the day. Inequalities are given for each month of the year, for the year as a whole, and for three seasons defined as in previous years. The

maximum and minimum hourly values are in heavy type. There is, as usual, a distinct difference in character between the diurnal inequalities of D on quiet and ordinary days; the easterly deviation near midnight is decidedly smaller in the quiet days. The difference is especially marked in the winter months. At that season the principal minimum (i.e. the easterly extreme) has a tendency to shift from the morning to the late evening hours. In Table 472 it occurs before midnight in October and the four winter months, whereas in Table 473 December is the only month showing the phenomenon. The easterly extreme in the winter season appears at 22h for ordinary days, but for quiet days it appears at 8h, the same hour as for the other seasons and the year. In Table 472 the principal maximum (westerly extreme) appears at 14h in June and July, and in the summer season; in other months and seasons the maximum appears at 13h. In the case of quiet days 13h is the time of the maximum in all the seasonal inequalities, but the maximum appears at 14h in March, May and October, while in July the values for 13h and 14h are equal.

In the case of H, Table 474, it is the hour of the minimum which shows the least dependence on the season. It appears at either 10h or 11h in the seasonal inequalities and in the inequalities of ten individual months. In February and December, however, the hours of occurrence are abnormal. The principal maximum appears in the forenoon in the winter season and in February, March and April, otherwise it appears in the afternoon. In most of the winter and equinoctial months the forenoon and afternoon maxima are fairly comparable, but in the summer months the forenoon maximum is rather inconspicuous.

Table 475 is intended to give a general picture of the chief magnetic phenomena of the year, and a survey of the phenomena for 1922 and the previous ten years, thus including an 11-year period. As we have just been discussing the diurnal inequalities, attention is first claimed by the ranges, A.D's., and non-cyclic changes. By A.D. (average departure) is meant the arithmetic mean of the 24 hourly departures from the mean of the day. It is a quantity which is less dependent than the range on the accident of how the times of maximum and minimum happen to lie relative to the nearest hour G.M.T. The data under D′ relate to the declination from the ordinary days, those under D to the declination from quiet days. It will be noticed that while the D range exceeds the D′ range in several months, and falls but little short of it in the summer and equinoctial seasons, the average departure under D′ is invariably the greater, the excess being usually substantial. This means that when attention is confined to the range of the inequality the influence of disturbance on the regular diurnal variation of declination at Kew is apt to be under-estimated. As compared with 1921, the declination ranges show on the whole a decided reduction, though there are some individual months in which the 1922 range is the larger. The decline is more decided for the ordinary days than for the quiet days. In the case of H, both the range and the average departure show a decline in amplitude for the year 1922 as a whole, but it is very small. The decline is quite large in all four winter months, but June and July had much larger ranges in 1922 than in 1921. The ranges in D and H and the average departure in D in 1922 were only about 65 per cent. of the corresponding quantities in 1917, the year of sunspot maximum. For the average departure in H the percentage was only 57.

The data in the earlier columns of Table 475 are of interest chiefly in connection with the secular change. The data for D, H, N (north component) and W (west component) are derived from the hourly measurements of the curves of the international quiet days. The values of I (inclination) are derived from the absolute observations corrected to the mean of the day. The values of V and T (total force) are derived by combining the values of I and H. The mean monthly values of declination from the ordinary and the quiet days were the same in five months, but in the other seven months the quiet day value was in excess, the mean excess for the twelve months being 0·1′. Comparing the yearly means in Table 475, we see that the fall in declination from 1921 to 1922 was 11·1′, equalling the fall from the previous year which exceeded all previous values. The average for the

10 years 1912 to 1922 was 9·8′, as compared with an average fall of only 5·8′ between 1902 and 1912. In H there was a fall of 5γ, so that the element continues to decline from the maximum reached in 1913, but at a very slow rate. In I the figures show a fall of 0·1′ from 1921, but this is too small a difference to rely on. The change in this element since 1916 has been almost microscopic. The remarkably regular decline of D during the year naturally implies a correspondingly regular fall in W. This element has fallen 534γ, or some 12 per cent. of its present value, since 1912. Instrumental uncertainties enter more into the values of V and T than into those of D and H, and are probably responsible for at least a considerable part of the irregularities apparent in the secular change of these elements. The apparent fall in these elements during the year was somewhat below the mean from 1912 to 1922.

Tables 478 and 479 give the mean yearly values of declination, inclination, horizontal force and vertical force at a number of observatories, the publications from which are received at Kew Observatory. Table 479 includes mainly stations for which there were no data for years subsequent to 1919. Data for 1922 were not to hand for a considerable number of the stations.

Judging by the data available, the fall in declination throughout the north-west of Europe from 1921 to 1922 varied very little from place to place, and was nearly the same as in the previous year. At Greenwich as at Kew it was practically the same. Taking the eight stations Rude Skov, Eskdalemuir, Stonyhurst, De Bilt, Valencia, Kew, Greenwich and Val Joyeux, we find the mean value of declination change from 1920 to 1921 to be 11·3′, while the mean annual fall at the same stations between 1915 and 1920 was only 9·4′. The fall of declination at Tortosa has been nearly as large as at the more northern stations, but on the western side of the Iberian peninsula, as evidenced by the results from Coimbra and San Fernando, it has been considerably less. The results for the other elements show a much greater apparent variability in the secular change throughout north-western Europe. In the case of inclination, the eight stations mentioned above show on the average a fall of 0·1′ from 1920 to 1921, but the changes at individual stations vary from — 1·9′ at Valencia to +1·6′ at Rude Skov. The total change of inclination between 1915 and 1920 was a rise at all the eight stations except Greenwich, where the value appeared stationary, and Valencia, where there was a small fall, but it averaged only 0·3′ at Kew, 0·4′ at Stonyhurst, and 0·5′ at Eskdalemuir. Inclination would thus appear to be at present very nearly stationary throughout at least the British Isles. In the case of the horizontal force, taking the same eight stations, the change from 1920 to 1921 was on the average a fall of 4γ, but the changes at the individual stations varied from — 19γ at Rude Skov to + 15γ at Stonyhurst. The eight stations agree in showing a fall of horizontal force between 1915 and 1920, the average value of the mean annual fall being 13γ, the results from Val Joyeux, Greenwich and Kew being almost identical.

The fact that the changes over a 5-year period at the different stations appear much more in harmony than the changes from one year to the next is at least suggestive of instrumental and observational uncertainties.

SEISMOLOGY.

Table C, shown below, gives a résumé of the results obtained during the year from the Milne seismograph in the basement. The boom points north and south, so the instrument measures tilting in the east-west direction. Observations to determine the sensitiveness made on January 25th, June 9th and October 17th, gave results in close agreement, the mean value found for the angle of tilt answering to 1 mm. ordinate on the trace being 0·52″. Observations made on the oscillation period on these three occasions gave a mean of 17·0 seconds. In an instrument of this type it is difficult, if not impossible, to discriminate between the different kinds of waves, and there is often considerable uncertainty as to the time of commencement. Thus the information given below is limited to the time of the largest movement and its amplitude. Numerical measurements are not given if the measured amplitude

is less than 1 mm. The letters *a*, *b*, *c* denote amplitudes on an increasing scale, *a* representing an amplitude not exceeding 0·2 mm., *b* an amplitude of at least 0·2 mm., but less than 0·5 mm., and *c* an amplitude of at least 0·5 mm., but less than 1·0 mm. The amplitude is partly determined by the approach in the period of the earthquake wave to the natural period of the boom, but a large amplitude is never experienced unless the earthquake has been a really considerable one. On November 11, the limit of registration, 17 mm., was exceeded. This was much the largest movement recorded during the year.

Table C.—Seismological Diary.

Richmond (Kew Observatory). Times G.M.T. **1922.**

Date.	Maximum.		Date.	Maximum.		Date.	Maximum.		Date.	Maximum.		Date.	Maximum.		Date.	Maximum.	
	Time.	Amp.		Time.	Amp.		Time.	Amp.		Time.	Amp.		Time.	Amp.		Time.	Amp.
	h. m.	mm.		h. m.	mm.		h. m.	mm.		h. m.	mm.		h. m.	mm.		h. m.	mm.
Jan. 1	21 23	*b*	Mar. 4	13 36	*b*	May 2	12 8	*b*	July 2	14 33	1·0	Sep. 1	13 47	*a*	Nov. 4	4 37	*c*
6	15 7	2·2	8	17 53	*b*	4	10 13	*c*	3	6 31	*a*	1	20 14	6·4	7–8	0 6	1·8
6	20 19	*b*	10	12 7	*c*	5	1 20	*a*	5	21 15	*a*	4	18 50	*b*	9	0 12	*b*
9	5 42	2·5	10	17 38	*a*	6	13 23	*a*	10	10 0	*a*	6	23 8	*b*	11	*5 35	>17·0
10	14 39	*b*	12	18 2	1·4	9	14 21	*a*	11	14 37	*a*	8	6 48	*a*	11	19 16	*c*
17	4 11	2·9	15	3 48	*a*	11	1 59	*a*	13	6 6	*b*	8	15 10	*a*	12	8 15	*b*
19–20	23 11	*b*	21	16 59	*a*	11	7 14	*b*	19	13 51	*b*	14	20 23	2·3	13	4 6	*b*
22	5 0	*b*	24	12 34	*c*	11	11 19	*a*	22	16 46	*b*	16	23 39	1·9	17	12 6	*c*
26	10 18	*b*	28	4 24	*c*	12	20 43	*b*				17	8 22	1·2	18	19 48	*b*
31	14 1	4·4	29	9 26	*a*	15	21 17	*a*				17	10 57	1·4			
			31	10 40	*a*	16	9 7	*b*				17	22 59	*a*			
						22	19 1	*b*				18	7 18	*a*			
												24	12 48	*b*			
												28	22 59	*b*			
												29	19 18	*b*			

Date.	Maximum.		Date.	Maximum.		Date.	Maximum.		Date.	Maximum.		Date.	Maximum.		Date.	Maximum.	
	Time.	Amp.		Time.	Amp.		Time.	Amp.		Time.	Amp.		Time.	Amp.		Time.	Amp.
	h. m.	mm.		h. m.	mm.		h. m.	mm.		h. m.	mm.		h. m.	mm.		h. m.	mm.
Feb. 14	12 36	*b*	Apr. 2	20 20	*b*	June 2	21 30	*b*	Aug. 5	4 33	*a*	Oct. 11	15 43	3·4	Dec. 2	4 42	*c*
14	13 47	*b*	5	11 16	*b*	12	5 37	2·9	6	1 50	*a*	14	1 15	*a*	6	14 17	*c*
14	14 42	*a*	6	4 9	*b*	27	15 39	*b*	8	4 5	*b*	15	0 50	1·3	7	*17 45	*c*
15	9 53	*b*	6	9 7	*a*				11	8 36	1·5	16	16 43	*c*	8	*3 0	*b*
16	3 1	*a*	7	16 53	*b*				11	14 48	*a*	17	7 37	*b*	8	*23 30	*b*
16	4 7	*c*	8	20 55	2·7				13	0 25	6·4	24	22 11	1·5	15	0 30	*b*
19	22 9	*b*	11	2 9	*b*				13	13 1	*b*	27	15 22	*c*	17	1 22	*b*
			11	4 48	*c*				25	11 56	*b*				18	13 19	*c*
			16	13 48	*b*				25	20 1	*c*				23	23 32	*b*
			23	22 34	*a*				26	8 1	*b*				25	5 19	*b*
			25	23 21	*b*				29	3 47	*a*				31	8 10	1·3
			26	2 2	*a*				29	18 1	1·0						
			26	5 1	*c*												

* Time marking apparatus failed, so times only approximate.

Readings in millibars at exact hours, Greenwich Mean Time.

368. Richmond (Kew Observatory) : H_b (height of barometer cistern above M.S.L.) = 10·4 metres. **January, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	028·4	027·0	026·4	025·3	023·8	023·0	022·7	022·2	021·6	021·0	020·2	019·5	018·5	018·2	017·8	017·7	017·5	017·1	017·0	017·1	016·3	015·9	015·6	015·1	020·5
2	014·3	013·5	013·1	011·7	011·1	010·4	009·5	009·1	009·2	009·2	008·8	008·8	008·6	008·8	009·4	010·0	011·1	011·8	012·3	012·7	013·2	013·2	013·3	013·7	011·1
3	013·7	013·4	013·3	013·2	013·7	013·6	013·2	012·9	013·2	012·6	012·4	011·6	010·7	010·3	010·0	009·8	009·5	009·3	009·5	009·1	009·5	009·7	010·1	010·7	011·5
4	010·8	011·1	011·7	011·6	012·3	012·7	012·9	013·2	013·4	013·2	013·1	012·9	012·8	012·2	012·1	012·0	011·9	012·1	012·2	012·3	012·3	012·6	012·4	012·1	012·3
5	011·9	012·1	012·0	012·2	012·5	012·8	013·4	013·9	014·2	014·6	014·6	014·4	014·2	014·2	014·2	014·2	014·7	014·7	014·5	014·4	014·4	014·2	013·7	013·1	013·7
6	012·6	012·2	011·9	011·3	010·8	010·4	010·5	010·5	010·6	010·7	010·6	010·1	009·8	009·7	009·9	010·2	010·6	010·8	011·2	011·5	012·1	011·9	011·8	012·1	011·0
7	012·3	012·5	012·2	012·1	011·8	011·7	011·9	011·7	011·5	011·5	011·2	010·8	010·2	010·0	009·7	009·5	009·4	009·3	009·2	009·3	009·3	009·5	009·7	009·5	010·7
8	009·1	008·6	008·2	007·3	006·6	005·3	004·5	003·9	003·5	003·5	003·3	003·5	004·2	005·6	006·4	007·1	007·9	008·7	009·8	010·3	010·8	011·1	011·8	012·1	007·2
9	012·0	011·7	011·3	011·1	011·1	011·3	011·9	012·6	013·8	014·4	014·9	014·7	014·4	014·2	014·3	014·5	015·1	015·2	015·4	015·2	015·3	016·1	016·3	016·5	013·8
10	016·9	017·7	018·3	019·1	019·7	020·2	020·5	021·5	022·1	022·5	023·2	023·6	024·1	024·5	024·9	025·5	026·1	026·8	027·8	028·5	028·8	028·8	028·9	029·2	023·5
11	029·2	029·2	029·0	029·0	028·5	028·2	028·2	027·9	027·2	026·7	025·9	025·1	023·9	022·8	022·1	021·5	020·8	020·3	020·8	021·0	021·6	022·2	023·0	023·5	**025·0**
12	023·8	024·1	024·6	024·6	024·8	025·0	025·1	025·4	025·8	025·7	025·9	025·4	025·0	024·7	024·8	024·7	024·6	024·7	024·7	024·7	024·7	024·6	024·6	024·2	024·8
13	023·7	023·3	022·9	022·6	022·3	022·2	022·1	022·1	022·1	022·4	022·3	022·0	021·6	021·3	020·7	019·9	019·6	019·5	019·2	019·0	018·5	017·8	017·1	016·5	021·0
14	015·5	014·9	014·3	014·1	014·0	013·7	013·9	014·1	014·6	015·1	015·8	015·7	015·8	016·1	016·5	016·8	017·2	017·2	017·2	017·4	017·6	017·6	017·6	017·4	015·8
15	017·1	016·7	016·2	015·5	014·7	013·8	012·8	012·2	011·0	009·5	007·6	005·4	002·5	000·7	998·5	996·7	993·8	990·9	988·6	986·1	983·5	982·0	981·7	981·9	002·4
16	982·4	982·5	982·7	983·0	983·5	983·9	984·5	985·2	985·9	986·4	986·9	987·0	987·0	987·6	988·0	988·5	988·9	989·2	989·8	990·3	990·6	990·8	990·8	991·1	**986·7**
17	991·5	991·8	992·2	992·4	992·7	993·1	994·2	995·3	996·4	997·3	998·1	998·8	999·2	999·8	000·8	001·9	002·8	003·4	004·5	005·2	005·9	006·5	007·0	007·5	998·8
18	007·7	008·1	008·2	008·3	008·6	008·4	008·3	008·2	008·2	007·7	007·2	006·7	006·0	005·0	004·8	004·6	004·3	003·5	003·6	003·4	003·1	002·9	002·6	002·1	006·0
19	001·5	001·1	000·7	000·6	999·9	999·1	998·8	998·9	998·5	998·4	998·2	998·0	998·0	998·9	999·3	999·8	999·9	999·8	000·2	000·3	000·4	000·5	000·5	000·4	999·8
20	000·3	000·7	000·8	000·9	001·1	001·8	002·5	003·3	003·9	004·7	005·1	005·3	005·4	005·7	006·1	006·5	007·1	007·6	007·8	008·0	008·2	008·2	008·1	008·1	004·7
21	007·8	007·7	007·7	007·3	007·1	006·8	006·7	006·5	006·4	006·3	006·0	005·6	005·2	005·3	005·6	006·0	006·3	007·1	007·8	008·8	009·9	010·7	011·1	012·2	007·3
22	013·2	014·1	015·0	015·5	016·2	016·8	017·6	018·2	018·9	019·3	019·6	019·5	019·7	019·8	120·0	020·2	020·3	020·5	020·7	020·9	021·2	021·4	021·6	021·7	018·6
23	021·7	021·6	021·5	021·4	021·4	021·2	021·4	021·8	021·8	021·8	021·1	020·8	020·3	020·2	020·0	019·9	019·4	019·6	019·5	019·5	019·3	018·9	018·7	018·3	020·5
24	017·9	017·8	017·4	016·8	016·3	016·0	015·8	015·4	015·0	014·5	013·8	012·9	011·9	011·6	011·0	010·2	009·7	009·3	008·7	007·9	007·6	006·7	005·4	013·0	
25	004·7	003·5	002·8	002·3	001·4	000·8	000·3	000·4	000·1	000·1	999·5	999·0	998·6	998·3	998·1	998·2	998·2	998·5	999·2	999·9	000·9	001·6	002·2	002·6	000·5
26	003·1	003·7	004·0	004·2	004·5	004·8	005·4	006·1	006·6	007·0	007·5	007·6	007·7	007·7	008·0	008·4	008·9	009·1	009·1	009·3	009·3	009·2	009·0	008·9	006·9
27	008·3	007·7	007·0	006·8	006·2	005·4	005·0	004·3	003·9	003·5	002·6	001·5	000·0	999·0	998·1	997·0	996·2	995·6	994·7	994·0	993·2	992·7	992·3	992·1	000·6
28	992·3	992·7	992·9	993·2	993·9	994·3	994·6	994·8	995·1	995·6	996·2	996·1	996·5	996·7	996·9	997·0	997·3	997·2	997·1	996·9	996·6	996·4	996·4	996·8	995·5
29	997·0	997·1	996·9	996·7	996·5	996·4	996·4	996·5	997·0	997·1	997·0	996·6	995·7	994·8	993·9	993·3	992·6	991·9	991·2	990·6	990·5	990·7	991·3	991·7	994·7
30	992·2	992·8	993·0	993·4	993·7	994·0	994·6	995·3	995·5	995·6	996·2	996·0	995·2	995·1	995·3	995·0	995·2	995·1	994·9	994·9	994·7	994·4	994·3	994·2	994·6
31	994·0	993·8	993·8	993·7	993·7	993·7	994·0	994·2	994·4	994·6	994·9	994·8	994·4	994·5	995·1	995·3	995·9	994·6	996·9	997·5	998·1	998·5	999·3	999·9	995·4
Mean (Station level)	**1009** ·25	1009 ·18	1009 ·10	1008 ·94	1008 ·86	1008 ·75	1008 ·82	1008 ·97	1009 ·09	1009 ·13	1009 ·05	1008 ·76	1008 ·35	1008 ·19	1008 ·17	**1008** ·15	1008 ·17	1008 ·16	1008 ·25	1008 ·29	1008 ·31	1008 ·33	1008 ·37	1008 ·41	1008 ·64
Mean (Sea level)	**1010** ·55	1010 ·47	1010 ·39	1010 ·23	1010 ·15	1010 ·04	1010 ·11	1010 ·26	1010 ·38	1010 ·42	1010 ·34	1010 ·05	1009 ·63	1009 ·47	1009 ·45	**1009** ·44	1009 ·45	1009 ·46	1009 ·54	1009 ·57	1009 ·60	1009 ·62	1009 ·66	1009 ·69	1009 ·93

Station Level.

369. Richmond (Kew Observatory) : H_b = 10·4 metres. **February, 1922.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	000·4	001·0	001·9	002·0	002·9	003·9	004·8	005·8	006·9	007·8	008·6	008·9	009·0	009·3	009·9	010·2	010·7	010·7	010·7	010·7	011·0	010·7	010·6	010·4	007·2
2	009·7	009·0	008·0	006·7	005·5	004·2	002·9	001·8	000·9	999·4	997·7	996·4	994·9	993·6	992·1	991·1	991·2	991·0	990·5	990·1	989·9	989·7	989·2	989·1	997·7
3	988·8	988·6	988·4	988·1	987·9	987·7	987·5	987·4	987·7	988·2	988·9	989·5	989·7	989·8	990·2	990·5	991·2	991·7	992·0	992·1	992·2	992·5	992·7	993·0	**989·8**
4	993·1	993·5	993·9	994·2	994·8	995·8	996·6	997·9	999·1	000·3	001·7	002·4	002·9	003·3	004·2	005·1	006·0	007·1	008·1	008·7	009·5	010·2	010·9	011·4	001·7
5	011·9	012·3	012·7	013·3	014·0	014·8	015·9	016·7	017·7	018·7	019·2	019·6	019·9	020·2	020·6	020·8	021·6	022·5	023·1	024·1	025·2	025·0	025·4	026·0	018·9
6	026·2	026·1	026·7	026·7	026·8	027·0	027·4	028·0	028·6	028·6	028·5	028·0	027·7	027·4	027·1	027·0	027·2	027·2	027·5	027·4	027·5	027·3	027·5	027·3	027·3
7	027·0	026·8	026·3	026·0	025·9	026·2	026·0	026·2	026·5	026·4	026·3	026·2	025·7	025·1	025·0	025·0	025·2	025·3	025·2	025·2	024·9	024·7	024·7	024·6	025·7
8	024·4	024·1	023·9	023·6	023·9	024·0	024·1	024·1	024·3	024·5	024·5	024·3	024·1	024·1	024·0	024·2	024·2	024·4	024·6	024·5	024·6	024·7	024·7	024·7	024·3
9	024·7	024·7	024·3	024·2	024·3	024·2	024·5	024·8	024·9	024·7	024·9	024·8	024·7	024·4	024·3	024·1	024·4	024·7	025·1	025·3	025·7	025·7	026·0	026·0	024·8
10	026·0	026·0	026·4	026·9	027·2	027·3	028·1	028·5	029·2	029·6	030·4	030·2	030·3	029·8	029·4	029·2	029·5	029·8	030·3	030·7	030·8	030·8	030·8	031·0	**029·0**
11	030·7	030·5	030·2	030·0	029·9	029·8	030·0	030·0	029·9	029·8	029·8	029·4	028·5	027·8	027·5	026·8	026·4	026·3	025·8	025·3	024·9	024·3	023·5	022·4	028·1
12	021·5	020·5	019·7	019·0	018·4	017·9	017·4	016·8	016·4	015·8	015·1	014·0	013·0	011·9	011·2	010·5	010·5	010·7	010·4	010·4	010·4	010·4	010·4	010·9	104·5
13	011·0	011·0	011·2	011·6	011·9	012·1	012·4	012·6	012·9	013·2	014·0	014·6	014·8	014·9	014·9	015·3	015·6	016·4	017·0	017·7	018·1	018·6	018·9	019·3	014·4
14	019·7	019·9	020·2	020·4	020·8	021·0	021·6	022·0	022·0	022·4	022·6	022·3	022·1	021·8	021·6	021·6	021·7	022·2	021·9	021·7	021·7	021·7	021·6	021·5	021·5
15	020·8	020·3	019·7	019·0	018·5	017·9	017·5	017·1	016·3	015·7	014·7	013·9	012·2	011·1	010·1	009·3	009·0	008·7	008·9	008·8	008·8	008·8	008·8	009·0	013·8
16	008·6	008·4	008·1	007·8	007·1	006·9	006·9	006·9	006·9	006·9	006·8	006·5	006·0	005·4	005·2	005·0	004·8	004·8	004·8	004·8	004·8	004·8	004·8	004·7	006·2
17	004·6	004·5	004·1	003·7	003·3	002·9	002·5	002·5	002·0	002·0	002·3	002·0	002·1	002·3	002·7	003·0	003·3	003·7	004·2	004·9	004·9	004·9	004·8	004·5	003·4
18	004·3	003·4	001·8	999·8	998·9	999·1	999·5	000·2	000·9	001·2	001·7	001·8	001·9	002·0	002·5	002·8	003·2	004·2	004·9	005·5	006·1	006·6	007·0	007·2	002·7
19	007·9	008·4	008·2	008·1	008·4	008·3	008·4	008·2	008·2	007·5	006·2	004·7	003·5	002·5	001·2	000·2	999·4	998·8	998·0	997·9	998·4	999·0	999·7	001·0	004·0
20	001·4	001·5	001·8	002·3	003·1	004·2	005·0	006·2	006·8	007·2	007·5	007·3	007·1	007·1	007·1	007·0	007·0	007·1	007·9	007·7	006·2	005·6	004·9	004·1	005·5
21	003·1	002·1	000·9	999·4	998·4	997·4	996·4	995·5	996·0	995·8	996·6	996·5	996·3	996·0	996·1	996·3	996·6	996·5	996·8	997·1	997·5	997·7	998·1	998·5	997·7
22	999·1	999·1	999·2	999·3	999·6	999·4	999·6	000·2	000·5	000·9	001·2	001·6	001·9	002·2	002·7	002·8	003·3	004·0	004·3	004·3	003·9	003·9	004·3	004·8	001·6
23	005·2	005·1	005·1	005·3	005·6	006·1	006·6	007·3	008·3	009·2	010·6	011·2	011·7	012·0	012·5	013·1	013·4	014·1	014·6	015·2	015·9	016·5	017·2	017·7	010·5
24	017·9	018·3	018·3	018·4	018·7	018·1	019·4	020·0	020·6	020·9	021·4	021·0	021·3	021·9	022·1	022·1	022·2	022·7	022·9	023·0	023·5	023·4	023·1	023·0	020·9
25	022·6	022·2	021·6	021·2	020·6	020·3	019·8	019·7	019·4	018·7	018·4	018·9	016·7	015·3	014·3	013·2	012·4	012·5	011·7	011·4	011·2	010·6	010·5	010·6	016·7
26	010·5	010·6	010·5	010·0	009·5	009·3	008·8	008·7	008·4	007·7	006·8	006·3	004·9	004·0	003·0	002·4	002·3	002·7	003·2	003·8	004·8	005·3	006·0	006·7	006·6
27	007·2	007·2	007·3	007·4	007·2	009·1	009·7	010·3	001·1	011·2	011·4	011·2	011·0	010·5	010·4	009·9	009·5	009·5	009·2	008·5	007·8	006·8	005·6	004·3	008·9
28	002·9	000·5	998·6	998·1	998·7	001·0	003·4	004·9	006·0	006·9	007·9	008·3	008·8	008·9	009·2	009·3	009·3	009·3	009·0	008·2	007·1	005·2	003·3	001·1	005·3
Mean (Station level)	1011 ·83	1011 ·63	1011 ·39	1011 ·16	**1011** ·14	1011 ·28	1011 ·53	1011 ·80	1012 ·09	1012 ·19	**1012** ·35	1012 ·23	1011 ·88	1011 ·59	1011 ·47	1011 ·35	1011 ·49	1011 ·74	1011 ·88	1011 ·96	1012 ·05	1011 ·98	1011 ·96	1011 ·96	1011 ·74
Mean (Sea level)	1013 ·12	1012 ·92	1012 ·69	1012 ·45	**1012** ·43	1012 ·57	1012 ·82	1013 ·09	1013 ·38	1013 ·47	**1013** ·63	1013 ·51	1013 ·16	1012 ·87	1012 ·74	1012 ·63	1012 ·75	1013 ·02	1013 ·17	1013 ·25	1013 ·34	1013 ·27	1013 ·25	1013 ·25	1013 ·03

Station Level.

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

370. Richmond (Kew Observatory) : H_b (height of barometer cistern above M.S.L.) = 10·4 metres. March, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	999·5	998·8	997·8	998·0	999·0	999·8	000·7	001·9	001·5	000·7	000·0	998·1	997·8	997·1	997·6	996·4	995·8	995·9	996·1	996·8	998·4	001·3	004·3	005·9	999·0
2	007·3	008·3	009·0	010·2	011·6	013·1	014·3	015·3	016·5	017·6	018·6	019·5	019·6	020·1	020·4	020·8	021·2	021·7	022·2	022·0	022·1	022·0	021·4	020·9	017·0
3	020·0	019·2	018·0	017·0	016·4	016·0	015·7	016·0	015·9	016·0	016·2	016·3	016·3	016·1	016·1	015·9	016·0	016·3	016·3	016·2	016·1	015·9	015·5	015·2	016·6
4	015·0	014·4	013·7	013·3	013·0	012·6	012·6	012·6	012·5	012·9	012·9	012·9	012·8	013·3	013·4	013·7	014·0	015·0	015·9	016·1	017·1	017·4	017·0	016·7	014·2
5	016·7	016·1	015·1	014·2	013·4	012·0	011·8	011·6	010·7	010·2	009·8	009·0	008·2	007·6	006·9	006·4	006·4	005·6	005·2	005·1	004·9	004·7	004·4	004·2	009·4
6	004·0	003·7	003·6	004·6	005·3	005·9	006·1	006·6	006·7	006·6	006·6	006·2	005·7	005·0	004·3	003·8	003·5	003·1	002·6	002·1	001·5	001·0	000·5	999·7	004·2
7	998·8	997·6	996·2	995·5	995·0	994·8	994·4	994·4	995·4	996·4	996·9	996·7	996·3	996·1	996·0	996·2	996·5	997·1	998·0	998·1	998·1	997·5	997·1	996·4	996·6
8	995·5	993·7	991·4	988·4	984·7	980·1	977·8	972·5	968·9	968·8	974·1	980·1	984·2	987·0	988·7	989·9	991·1	992·1	993·1	993·7	995·0	996·3	997·2	997·9	986·7
9	998·3	998·7	998·9	999·3	999·6	999·9	000·1	000·2	000·5	000·8	000·7	000·1	999·9	999·7	999·7	999·5	999·8	000·1	000·6	001·2	002·0	002·7	003·2	003·6	000·3
10	004·1	004·7	005·5	006·5	007·8	008·6	009·2	010·1	011·1	012·1	012·7	013·5	014·1	014·4	015·1	015·9	017·1	018·6	109·5	020·5	021·3	022·1	022·9	023·3	013·4
11	024·2	024·4	024·8	025·0	025·3	025·5	026·4	026·8	027·1	027·3	027·2	027·0	026·6	026·2	025·8	025·5	025·6	025·8	026·1	026·2	026·6	026·7	026·8	026·8	026·0
12	026·7	026·5	026·4	026·4	026·7	026·9	027·4	027·8	027·8	027·9	027·9	027·7	027·4	027·1	027·1	027·1	027·2	027·6	027·8	028·2	028·5	028·6	028·8	028·8	**027·5**
13	028·7	028·7	028·5	028·0	027·8	028·0	028·2	028·1	028·2	027·8	027·9	027·7	207·3	027·0	026·6	026·0	026·0	026·0	026·0	025·8	026·7	025·5	025·5	025·4	027·2
14	025·0	024·7	024·7	024·1	023·8	022·8	023·4	023·6	023·4	022·9	022·3	022·3	022·0	021·7	021·4	021·7	021·9	021·9	022·3	022·6	022·9	023·1	023·2	023·5	023·0
15	023·5	023·5	023·2	023·0	022·9	023·1	023·2	023·4	023·8	024·0	024·2	024·2	023·9	023·7	023·4	023·1	023·3	023·5	023·7	023·9	024·2	024·3	024·6	024·5	023·7
16	024·4	024·1	023·9	023·9	023·9	023·9	024·3	024·6	024·5	024·7	024·7	024·7	024·4	024·0	023·8	023·7	023·5	023·6	023·5	023·6	023·5	023·4	023·4	023·4	024·0
17	023·3	023·0	022·7	022·6	022·5	022·4	022·4	022·6	022·5	022·4	022·4	022·3	021·6	021·1	020·5	019·9	019·7	019·7	019·7	019·7	019·5	019·3	019·2	018·8	021·3
18	018·6	018·2	017·6	017·3	016·5	016·8	016·9	016·9	016·6	016·5	016·5	016·3	015·7	015·1	014·6	014·2	014·3	014·5	015·0	015·1	015·0	015·1	015·1	015·2	016·1
19	015·2	015·0	014·6	014·5	014·4	014·5	014·6	014·6	014·5	014·3	013·9	013·4	013·2	012·8	012·6	012·1	012·0	012·0	012·1	012·1	011·9	011·8	011·7	011·6	013·4
20	011·3	011·3	011·1	010·8	010·9	010·9	011·0	011·3	011·7	011·9	012·0	012·0	011·9	011·7	011·8	011·7	011·8	012·1	012·4	012·7	012·7	012·7	012·7	012·7	011·8
21	012·9	012·8	012·6	012·6	012·5	012·4	012·6	012·8	013·1	013·5	013·7	014·0	014·3	014·4	014·6	015·1	015·8	016·4	017·4	018·0	018·4	018·3	018·3	018·2	014·7
22	017·8	017·6	017·1	016·9	016·9	017·0	017·3	017·2	017·0	017·1	016·4	015·9	015·0	014·5	013·8	013·5	013·7	014·0	014·1	014·4	014·5	014·3	013·9	013·5	105·7
23	013·0	012·8	012·6	012·6	012·6	012·6	012·7	012·8	013·0	013·0	012·9	012·7	012·5	012·1	011·8	011·9	012·3	012·7	012·8	013·1	012·9	012·7	012·4	012·2	012·6
24	011·9	011·1	010·3	010·3	009·9	009·6	009·4	008·6	007·8	007·1	005·9	004·9	003·8	002·5	001·3	000·3	999·4	998·5	997·5	996·2	994·6	992·8	991·2	989·5	003·6
25	988·1	987·1	986·4	986·2	986·0	985·7	985·6	985·5	985·3	985·3	985·4	985·1	984·8	984·6	984·4	984·3	984·6	984·9	985·2	985·4	985·5	985·6	985·6	985·9	**985·6**
26	985·9	985·9	985·8	985·9	986·2	986·8	987·3	988·0	988·8	989·3	989·6	990·0	990·5	990·9	991·8	992·2	993·0	993·6	994·3	995·3	996·2	996·6	997·1	997·5	990·5
27	997·7	997·7	997·7	997·7	997·4	997·4	997·5	997·6	997·6	997·7	997·8	997·7	997·5	997·6	997·7	997·7	998·3	998·7	999·4	999·9	000·4	000·9	001·3	001·7	998·4
28	002·1	002·2	002·5	002·7	003·3	004·1	005·1	006·2	007·3	008·3	009·8	009·5	010·4	010·5	011·3	012·0	012·9	014·1	015·1	016·1	016·7	017·2	017·7	018·1	009·4
29	018·1	017·9	017·9	017·8	017·8	018·0	018·1	018·1	018·1	018·0	017·6	017·2	016·9	016·7	016·5	016·3	015·9	015·8	015·7	015·6	015·5	015·2	014·9	014·7	016·9
30	014·0	013·6	013·3	012·8	012·1	011·8	011·6	011·4	010·9	010·4	009·8	009·2	008·3	007·4	006·6	006·1	005·4	004·9	004·5	003·9	003·2	002·7	002·5	002·1	008·5
31	001·6	001·1	000·6	000·5	000·5	000·8	000·9	000·9	001·0	001·2	001·6	001·6	001·7	001·9	001·9	001·9	002·1	002·3	002·5	002·8	003·0	002·9	002·8	002·5	001·7
Mean (Station level)	1011 ·07	1010 ·79	1010 ·43	1010 ·28	1010 ·18	**1010 ·12**	1010 ·28	1010 ·32	1010 ·31	1010 ·41	1010 ·55	1010 ·57	1010 ·47	1010 ·32	1010 ·21	1010 ·15	1010 ·33	1010 ·58	1010 ·86	1011 ·05	1011 ·22	1011 ·31	**1011 ·36**	1011 ·30	1010 ·61
Mean (Sea level)	1012 ·36	1012 ·08	1011 ·73	1011 ·57	1011 ·47	**1011 ·41**	1011 ·57	1011 ·61	1011 ·60	1011 ·69	1011 ·83	1011 ·84	1011 ·75	1011 ·59	1011 ·49	1011 ·43	1011 ·61	1011 ·87	1012 ·14	1012 ·33	1012 ·51	1012 ·60	**1012 ·65**	1012 ·59	1011 ·89

371. Richmond (Kew Observatory) : H_b = 10·4 metres. April, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	002·1	002·0	001·6	001·2	001·0	001·1	001·2	001·5	001·8	002·2	002·9	003·8	004·6	005·2	005·8	006·7	007·4	008·4	009·4	009·9	010·8	011·3	011·6	011·6	005·0
2	011·6	011·6	011·5	011·4	011·2	010·8	010·9	010·4	009·9	009·1	008·7	008·1	007·4	006·5	005·7	005·1	004·9	004·5	003·5	003·1	002·6	001·7	000·9	999·7	007·4
3	998·4	997·0	995·1	993·6	992·4	991·1	989·9	989·1	987·8	986·8	985·8	985·5	984·9	984·4	984·0	983·7	983·5	983·2	983·3	983·5	983·8	984·2	984·9	985·5	987·8
4	986·5	987·0	988·8	989·9	991·6	993·2	994·5	995·5	996·9	998·0	998·9	999·6	000·4	001·1	001·6	002·2	003·1	004·1	005·1	005·3	005·7	005·9	006·3	006·6	998·2
5	006·6	006·6	006·5	006·3	006·2	006·4	006·5	006·5	006·5	006·7	006·3	006·3	006·2	005·9	005·7	005·6	005·7	005·9	006·2	006·6	006·7	006·8	006·8	006·7	006·3
6	006·6	006·8	007·0	007·1	007·9	008·8	009·9	010·8	011·5	012·1	012·5	012·8	013·3	013·4	013·3	013·5	013·2	013·3	013·2	013·1	012·9	012·9	012·7	012·3	011·2
7	012·1	011·5	011·0	009·9	009·2	008·9	008·5	007·7	006·8	006·1	005·3	004·6	003·8	002·8	002·1	001·3	000·7	000·3	000·3	000·4	000·6	000·6	000·6	000·7	005·1
8	000·8	000·4	999·9	000·0	000·0	000·5	000·7	001·1	001·7	002·3	003·0	003·4	004·3	004·8	004·9	005·0	005·0	005·5	006·0	007·4	007·3	007·9	008·1	008·5	003·5
9	008·8	009·1	009·4	009·8	010·4	011·1	011·9	012·7	013·2	013·6	014·0	014·0	014·0	014·0	014·0	013·7	014·0	014·8	014·7	014·7	014·8	014·5	014·1	014·0	012·8
10	013·4	012·5	011·9	011·3	010·8	010·2	009·8	009·0	008·0	007·3	006·3	005·2	004·1	003·2	002·6	001·8	001·4	001·3	001·1	000·9	000·4	999·9	999·6	999·2	005·8
11	998·7	998·3	997·9	997·8	997·6	997·6	997·7	997·6	997·4	997·4	997·3	997·3	997·3	997·3	997·3	997·4	997·7	998·4	998·9	999·5	999·0	000·1	000·5	000·6	998·2
12	000·9	001·1	001·0	000·9	000·9	001·0	001·0	000·8	000·4	000·0	999·6	998·9	998·2	997·1	995·6	994·5	992·9	991·9	991·3	990·4	989·7	990·6	991·8	992·6	997·0
13	993·0	993·7	994·5	995·1	996·0	997·1	998·7	999·6	000·5	001·4	001·8	002·0	002·2	002·1	002·3	002·6	002·9	002·6	002·3	002·1	001·5	000·5	000·1	000·1	999·6
14	000·2	000·1	000·1	999·9	000·1	000·3	000·3	000·2	999·8	999·3	998·3	997·2	996·5	996·1	995·6	994·9	995·0	994·8	994·5	994·3	995·0	994·6	993·9	993·8	997·4
15	994·1	994·1	994·2	994·5	995·8	997·1	997·5	998·3	998·8	999·1	999·2	999·6	999·0	998·8	998·6	998·0	997·6	998·1	999·1	999·9	001·0	000·8	001·1	000·9	998·0
16	000·9	000·8	000·6	000·6	001·2	002·4	002·8	003·2	003·9	004·5	005·2	005·5	006·0	006·8	007·6	008·8	010·0	011·2	012·6	013·7	014·6	015·3	016·2	016·9	006·8
17	017·7	018·2	018·9	019·9	020·8	021·8	022·7	023·8	024·5	024·6	024·8	025·4	025·1	025·5	026·5	026·8	027·0	027·5	028·3	029·0	029·6	029·9	030·1	030·2	024·7
18	030·0	030·0	030·0	029·8	030·0	030·2	030·4	030·2	030·2	029·9	029·9	029·5	029·4	029·0	028·9	028·9	028·9	029·1	029·3	029·7	029·9	029·9	029·8	029·7	**029·7**
19	029·4	029·2	029·1	028·8	029·0	029·4	029·4	029·5	029·5	029·3	028·8	028·5	028·2	027·8	027·4	027·3	027·2	027·4	027·6	208·0	028·0	027·9	027·9	027·8	028·5
20	027·6	027·3	026·9	026·7	026·5	026·7	026·8	026·6	026·4	025·9	025·3	024·7	024·0	023·4	022·7	022·5	022·4	022·3	022·5	022·9	023·0	023·1	023·1	022·9	024·8
21	022·5	022·0	021·7	021·5	021·3	021·2	021·2	021·2	021·0	020·4	019·4	018·6	017·9	017·5	016·5	016·0	015·5	015·2	015·0	015·1	015·0	014·8	014·4	013·9	018·5
22	013·4	012·5	011·7	011·3	011·1	010·9	010·7	010·5	010·3	010·2	010·0	009·5	009·3	009·0	008·9	008·8	008·6	008·5	008·6	009·3	009·7	009·6	009·7	009·7	010·2
23	009·7	009·6	009·5	009·9	010·2	010·5	010·9	011·0	011·1	010·9	010·8	010·0	009·3	008·7	008·3	007·9	007·7	007·4	007·2	007·0	006·3	005·3	004·4	003·7	008·8
24	002·9	001·9	000·9	000·3	000·3	000·5	000·6	000·8	000·9	001·2	001·3	001·2	000·9	000·8	000·8	001·1	001·4	002·3	002·9	004·1	004·6	005·1	005·7	105·7	002·0
25	005·7	005·7	005·8	006·2	006·6	006·9	007·0	006·9	006·9	006·7	006·2	005·7	005·2	004·5	003·7	003·1	002·1	001·4	000·3	996·6	992·9	989·6	987·9	987·1	002·5
26	986·4	986·9	988·8	990·1	991·1	991·7	992·5	992·9	993·1	992·7	992·6	992·6	991·8	991·4	991·1	991·1	990·8	991·0	991·9	992·4	992·8	992·9	993·1	993·3	991·3
27	993·0	993·5	993·9	994·1	994·5	994·8	995·3	995·8	996·1	996·3	996·6	996·6	997·1	996·6	997·2	997·3	997·6	997·7	998·6	998·8	998·9	999·0	999·1	999·2	996·5
28	999·4	999·5	999·6	999·7	000·0	000·6	001·1	001·6	001·9	002·4	002·7	003·0	003·3	003·6	004·0	004·5	004·9	005·7	006·3	007·6	008·0	008·3	008·7	009·1	003·4
29	009·3	009·5	009·5	009·5	010·0	010·5	010·8	011·1	011·0	010·9	010·5	010·3	010·0	009·6	009·5	009·5	009·6	009·9	010·1	010·3	010·5	010·7	010·9	010·6	010·1
30	010·2	009·9	009·8	009·7	009·7	009·9	010·0	010·0	010·0	010·1	009·9	009·7	009·6	009·6	009·6	009·7	009·7	009·6	009·8	010·0	010·0	010·1	010·0	010·0	009·9
Mean (Station level)	1006 ·42	1006 ·31	1006 ·24	**1006 ·23**	1006 ·45	1006 ·77	1007 ·04	1007 ·20	**1007 ·26**	1007 ·25	1007 ·13	1006 ·96	1006 ·78	1006 ·56	1006 ·37	1006 ·31	1006 ·28	1006 ·44	1006 ·63	1006 ·85	1006 ·88	1006 ·80	1006 ·8[illegible]	1006 ·75	1006 ·70
Mean (Sea level)	1007 ·70	1007 ·59	1007 ·52	**1007 ·51**	1007 ·74	1008 ·06	1008 ·33	1008 ·48	**1008 ·54**	1008 ·52	1008 ·40	1008 ·23	1008 ·04	1007 ·82	1007 ·63	1007 ·57	1007 ·54	1007 ·71	1007 ·90	1008 ·13	1008 ·16	1008 ·08	1008 ·05	1008 ·04	1007 ·96
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

372. Richmond (Kew Observatory) : H_b (height of barometer cistern above M.S.L.) = 10·4 metres. **May, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	010·0	009·9	009·7	009·5	009·3	009·2	009·2	009·1	008·8	008·2	007·4	007·2	007·1	006·9	006·4	006·3	006·1	005·7	005·8	005·9	006·0	005·9	005·7	005·7	007·6
2	005·6	005·7	005·7	005·8	006·2	006·7	007·2	007·8	008·2	008·4	008·9	009·1	009·4	009·6	009·6	009·9	010·0	010·4	010·8	011·1	011·8	012·0	012·2	012·3	008·8
3	012·5	012·4	012·4	012·5	012·4	012·3	012·2	012·2	012·1	012·1	012·1	011·6	011·1	010·4	009·9	009·5	008·8	008·3	008·1	008·4	008·7	009·0	009·4	009·7	010·8
4	010·3	010·5	010·7	010·9	011·2	011·3	011·5	011·1	011·2	010·9	010·5	010·0	009·8	009·7	009·6	009·5	009·8	010·3	010·7	011·5	012·1	012·5	012·5	012·9	010·8
5	012·5	012·3	012·4	012·1	012·0	011·4	010·3	008·8	008·1	008·9	012·8	014·1	015·3	016·2	016·8	017·3	017·8	018·9	020·0	021·0	022·0	022·9	023·6	024·2	015·3
6	024·7	025·0	025·3	025·8	026·2	027·1	027·6	027·9	028·3	028·5	028·6	028·6	028·4	028·4	028·4	028·5	028·8	029·1	029·5	030·3	031·2	031·6	032·0	032·1	028·3
7	032·0	032·2	032·1	032·3	032·6	032·8	033·2	033·6	033·7	033·6	033·4	033·0	032·8	032·7	032·2	032·1	032·0	031·9	032·1	032·1	032·1	032·0	031·9	031·7	**032·5**
8	031·3	031·0	030·7	030·5	030·5	030·6	030·8	030·8	030·7	030·6	029·7	029·0	028·5	028·1	027·7	027·5	027·2	027·0	026·8	027·1	027·4	027·6	027·7	027·7	029·1
9	027·7	027·7	027·8	027·8	027·9	028·4	028·6	028·8	028·9	028·5	028·2	027·9	027·2	026·1	025·4	024·8	024·2	023·5	023·2	023·1	022·8	022·4	021·6	021·0	026·1
10	019·9	019·4	019·5	019·5	019·7	020·1	020·6	021·0	021·1	021·1	020·9	020·9	020·8	020·7	020·5	020·3	019·8	019·4	019·8	019·7	019·9	019·6	019·3	019·1	020·1
11	018·7	017·9	017·2	016·9	016·6	016·5	016·1	015·8	015·3	015·0	014·7	014·2	013·8	013·1	012·7	012·5	012·0	011·8	011·7	011·7	011·8	011·7	011·5	011·2	014·3
12	010·9	010·6	010·4	010·1	009·9	010·0	010·1	009·7	009·7	009·7	010·0	009·9	009·8	009·7	009·7	010·0	010·8	011·6	012·6	013·3	013·9	014·3	014·9	015·1	011·0
13	015·5	015·7	016·2	016·5	017·1	017·9	018·5	018·9	019·0	019·3	019·5	019·6	019·7	019·7	019·7	020·0	019·9	019·9	020·2	020·3	020·8	021·0	021·1	021·4	018·9
14	021·5	021·4	021·4	021·5	021·6	021·9	022·2	022·1	021·9	021·5	021·2	021·0	020·7	020·2	020·0	019·9	019·6	019·5	019·8	020·0	020·6	020·8	021·0	020·9	020·9
15	021·1	020·8	020·8	020·5	020·7	020·5	020·7	020·5	020·4	020·1	019·7	019·2	018·9	018·2	017·5	017·0	016·6	016·5	016·6	016·7	017·1	017·0	017·1	016·9	018·9
16	016·5	016·2	015·6	015·2	015·1	015·2	015·0	014·7	014·2	013·8	013·3	012·9	012·2	011·6	010·9	010·5	010·3	010·0	010·0	010·2	010·1	010·0	009·7	009·1	012·8
17	008·8	008·3	007·8	007·3	007·0	006·9	006·6	006·4	006·1	005·8	005·5	005·2	004·8	004·8	004·7	004·4	004·1	004·7	005·2	006·0	006·6	007·2	007·6	008·4	**006·3**
18	008·8	009·0	009·1	009·3	009·9	010·3	010·6	010·9	011·3	011·9	012·2	012·0	013·5	013·7	013·9	014·4	014·7	015·2	016·0	016·9	017·9	018·3	018·7	018·7	013·0
19	018·7	018·8	019·0	019·0	019·2	019·5	019·1	018·6	018·4	018·2	018·4	018·1	017·7	017·9	018·6	019·2	019·7	020·5	021·3	022·3	023·2	024·1	024·7	024·9	019·8
20	025·4	025·3	025·7	025·9	026·1	026·7	026·8	027·2	027·3	027·2	026·9	026·6	026·1	025·6	025·0	024·8	024·4	024·4	024·6	024·9	024·8	024·7	024·4	024·0	025·6
21	023·6	023·4	023·0	022·6	022·4	022·2	021·7	021·2	020·7	020·2	019·3	018·6	018·2	017·5	016·6	016·1	015·7	015·4	015·2	015·3	015·3	015·0	014·7	014·5	018·9
22	014·3	013·8	013·4	013·2	012·8	012·8	012·8	012·1	012·8	012·7	011·7	011·2	010·8	010·8	010·7	010·0	010·6	011·0	011·4	011·6	011·8	011·8	011·9	011·7	012·1
23	011·8	011·3	011·2	011·0	010·9	010·9	011·0	011·2	011·1	011·0	011·4	011·2	011·1	011·0	010·7	010·7	010·8	010·9	011·1	011·4	011·7	011·9	012·2	012·2	011·2
24	012·4	012·0	012·8	013·1	013·5	013·8	014·3	014·5	014·6	014·5	014·4	014·1	014·1	013·9	013·3	013·6	013·0	013·9	013·0	014·5	015·1	015·9	015·9	016·3	014·0
25	016·1	016·3	016·8	016·5	016·7	016·9	017·6	018·3	018·5	018·8	018·7	018·6	018·6	018·6	019·3	019·5	019·3	019·1	019·2	019·6	020·4	020·8	021·1	021·2	018·5
26	020·8	020·9	021·0	021·1	021·5	022·1	022·2	022·6	022·8	022·8	022·8	022·6	022·6	022·7	022·7	022·8	022·9	023·0	023·4	023·9	024·4	024·8	025·6	026·1	022·7
27	026·6	027·0	027·1	027·2	027·4	027·8	028·0	028·2	028·3	028·3	028·0	028·2	028·1	027·8	027·5	027·4	027·2	027·0	027·3	027·6	027·8	028·0	028·2	028·4	027·6
28	028·3	028·4	028·9	029·0	029·3	029·4	029·6	029·7	029·6	029·6	029·2	028·8	028·3	027·7	027·5	026·9	026·9	027·1	027·2	027·5	028·2	028·2	028·3	028·4	028·4
29	028·2	028·1	028·2	028·4	028·7	028·9	029·0	029·1	029·1	029·1	028·8	028·6	028·5	028·1	027·7	027·6	027·3	027·5	027·7	028·0	028·8	029·0	029·1	029·1	028·4
30	029·0	028·9	029·0	029·1	029·3	029·5	029·4	029·4	029·2	028·7	028·2	027·8	027·4	027·0	026·1	025·8	025·4	025·2	025·1	025·3	025·5	025·4	025·1	024·8	027·4
31	024·3	024·0	023·4	023·2	023·2	023·3	023·2	023·2	022·7	022·3	021·4	020·8	020·3	019·8	019·0	018·7	018·3	017·8	017·8	018·1	018·4	018·4	018·2	017·9	020·9
Mean (Station level)	1018 ·96	1018 ·87	1018 ·85	1018 ·82	1018 ·93	1019 ·13	1019 ·22	1019 ·21	1019 ·17	1019 ·07	1019 ·96	1018 ·76	1018 ·57	1018 ·33	1018 ·07	1018 ·00	**1017 ·89**	1017 ·95	1018 ·20	1018 ·56	1018 ·97	1019 ·16	1019 ·25	**1019 ·28**	1018 ·74
Mean (Sea level)	1020 ·23	1020 ·14	1020 ·13	1020 ·10	1020 ·21	1020 ·41	1020 ·48	1020 ·47	1020 ·42	1020 ·33	1020 ·21	1020 ·00	1019 ·81	1019 ·57	1019 ·31	1019 ·24	**1019 ·12**	1019 ·19	1019 ·44	1019 ·81	1020 ·23	1020 ·42	1020 ·52	**1020 ·55**	1020 ·00

373. Richmond (Kew Observatory) : H_b = 10·4 metres. **June, 1922.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	017·7	017·5	017·0	016·7	016·7	016·5	016·3	015·9	015·5	015·0	014·5	013·7	013·2	012·6	012·0	011·4	011·1	011·1	011·1	011·2	011·5	011·6	011·3	010·6	014·0
2	010·0	009·9	009·8	009·5	009·1	009·0	009·1	009·1	009·0	009·3	009·4	009·4	009·3	009·0	008·1	008·0	008·0	008·2	008·5	008·8	009·4	010·3	011·2	011·6	009·3
3	012·2	012·3	012·8	013·1	013·6	014·4	015·0	015·4	015·8	016·0	016·3	016·7	016·8	017·2	017·2	017·4	017·9	018·6	019·3	019·9	020·8	021·5	022·0	022·4	016·6
4	022·7	023·0	023·2	023·4	023·7	024·0	024·0	024·0	023·8	023·5	023·1	022·8	022·3	021·8	021·3	021·0	020·8	020·5	020·8	021·4	021·6	021·8	021·8	**022·5**	
5	021·6	021·4	021·5	021·6	021·7	022·0	022·1	022·1	022·0	021·6	021·3	021·1	020·7	020·0	019·6	019·4	019·1	019·0	019·1	019·4	019·8	020·0	020·0	019·9	020·7
6	019·8	019·7	019·4	019·4	019·4	019·5	019·5	019·7	019·4	019·0	018·5	018·3	017·9	017·7	017·3	017·0	016·8	016·8	017·0	017·3	017·8	017·9	017·9	017·5	018·4
7	017·3	017·0	016·4	016·2	016·5	016·4	016·3	016·3	015·9	015·8	015·8	015·5	015·1	014·5	014·0	013·8	013·7	014·0	014·0	014·2	014·1	014·1	013·9	013·9	015·3
8	013·6	013·6	013·3	012·8	012·7	012·7	012·7	012·8	012·7	012·4	012·4	012·4	012·4	012·4	012·3	011·9	011·6	011·7	011·8	021·1	012·3	012·5	012·4	012·0	012·5
9	011·7	011·6	011·3	011·1	011·0	011·2	011·3	011·3	011·4	011·5	011·2	011·0	010·5	010·1	009·9	009·4	009·0	009·1	009·6	010·0	010·4	010·6	010·5	010·4	010·7
10	010·2	010·1	009·9	010·1	010·2	010·4	010·4	010·4	010·4	010·2	010·1	010·0	009·9	009·8	009·9	010·1	010·4	011·1	011·7	012·4	013·1	013·7	013·9	014·1	010·9
11	014·3	014·7	015·2	015·8	016·1	016·8	017·1	017·7	017·7	017·5	017·9	018·1	018·4	018·4	018·5	018·5	018·6	018·8	019·1	019·7	020·5	020·8	021·0	021·4	017·9
12	021·3	021·3	021·6	021·5	021·3	021·4	021·3	021·2	021·0	020·8	020·6	020·1	019·8	019·3	018·8	018·4	018·1	017·8	017·7	017·7	018·0	018·3	018·2	017·9	019·8
13	017·8	017·3	016·9	016·7	016·6	016·6	016·3	016·1	015·8	015·2	015·0	015·1	015·2	015·6	016·0	016·1	061·0	015·7	015·9	016·1	016·4	017·0	016·9	016·7	016·7	016·2
14	016·5	016·3	016·3	016·0	015·9	015·9	016·1	016·2	016·3	016·3	016·5	016·3	016·2	016·1	015·8	015·1	014·0	015·0	014·6	014·0	014·4	013·8	013·6	013·5	015·6
15	013·1	012·5	012·2	012·1	012·1	012·1	012·4	012·7	012·7	013·1	013·2	013·0	013·8	013·8	014·3	014·7	015·1	015·2	015·6	016·1	016·7	017·1	017·3	017·5	014·0
16	017·6	017·4	017·7	017·5	017·5	017·7	017·8	018·0	017·9	017·6	017·3	017·2	017·0	016·6	016·3	016·3	016·3	016·2	016·2	016·3	016·5	016·7	016·8	016·9	017·1
17	016·8	016·9	016·9	017·1	017·3	017·5	017·6	017·6	017·5	017·3	017·6	017·5	017·5	017·6	017·6	017·6	017·7	017·8	018·1	018·7	019·2	019·5	019·5	019·5	017·8
18	019·4	019·4	019·4	019·6	019·8	020·2	020·6	020·9	021·0	021·2	021·6	021·8	021·5	021·4	021·1	020·9	020·8	021·1	021·3	021·6	022·0	021·9	021·8	021·5	020·9
19	021·3	021·0	021·0	021·0	021·2	021·5	021·6	021·7	021·9	021·9	021·7	021·6	021·5	021·2	021·1	021·1	021·3	021·5	021·7	022·0	022·4	022·7	022·9	022·8	021·6
20	022·5	022·4	022·2	022·2	022·4	022·3	022·4	022·5	022·6	022·4	022·3	022·1	021·9	021·8	021·7	021·6	021·6	021·7	021·9	022·3	022·8	023·0	023·1	023·0	022·3
21	022·9	022·9	022·9	023·0	023·1	023·3	023·3	023·1	023·0	022·6	022·2	021·8	021·4	021·0	020·7	020·3	020·3	020·4	020·6	020·7	020·8	021·1	021·2	021·3	021·9
22	021·2	021·1	021·0	021·0	021·0	020·9	020·8	020·6	020·1	019·8	019·3	018·8	018·2	017·7	017·4	017·2	016·4	016·1	015·5	015·3	015·0	014·4	013·3	012·6	018·3
23	011·5	010·7	009·5	008·7	007·8	008·0	008·1	008·1	008·2	008·3	008·3	008·5	008·6	008·5	008·7	008·9	009·5	010·1	010·5	011·2	011·9	012·3	012·4	012·5	009·6
24	012·7	012·6	013·0	013·2	013·4	013·3	013·3	013·0	012·8	012·5	011·9	011·8	011·0	010·0	009·8	008·6	007·7	006·8	006·7	006·8	006·8	006·7	006·5	006·1	010·4
25	005·7	005·5	005·0	004·8	004·8	004·8	004·6	004·7	004·6	004·3	004·2	004·2	004·3	004·2	004·3	004·0	004·3	004·7	004·7	004·9	005·8	005·9	006·0	005·9	004·8
26	005·8	005·6	005·4	005·0	004·8	004·5	004·3	004·1	003·7	002·8	002·3	001·7	001·2	000·8	000·3	000·5	000·7	000·9	001·2	001·8	002·7	003·0	003·5	003·6	**003·0**
27	003·9	004·5	004·6	005·0	005·3	006·0	006·9	007·3	007·6	007·8	007·8	007·8	007·4	007·1	006·8	006·8	006·6	006·6	006·4	006·6	006·9	007·0	006·7	006·4	006·4
28	005·9	005·7	005·3	005·1	005·0	004·6	004·7	004·7	004·7	004·8	005·1	005·1	004·9	004·7	004·7	004·5	004·1	003·7	004·1	004·8	005·9	006·0	006·9	007·4	005·1
29	007·8	007·9	008·2	008·7	009·4	009·9	010·4	010·9	011·1	011·2	011·0	011·5	012·8	012·9	013·1	013·1	013·5	014·1	014·8	015·3	016·4	016·7	017·3	017·4	012·1
30	017·5	017·5	017·6	017·8	018·0	018·1	018·3	018·5	018·5	018·6	018·5	017·9	017·9	017·8	017·4	017·4	017·5	017·6	017·9	018·0	018·5	018·4	018·4	018·2	018·0
Mean (Station level)	1015 ·08	1014 ·98	1014 ·88	1014 ·86	1014 ·91	1015 ·04	1015 ·15	1015 ·21	1015 ·14	1015 ·01	1014 ·93	1014 ·79	1014 ·65	1014 ·42	1014 ·21	1014 ·04	**1013 ·88**	1014 ·08	1014 ·24	1014 ·56	1015 ·03	1015 ·20	**1015 ·27**	1015 ·21	1014 ·79
Mean (Sea level)	1016 ·33	1016 ·24	1016 ·15	1016 ·12	1016 ·17	1016 ·30	1016 ·40	1016 ·46	1016 ·38	1016 ·25	1016 ·17	1016 ·03	1015 ·89	1015 ·66	1015 ·44	1015 ·27	**1015 ·21**	1015 ·31	1015 ·48	1015 ·80	1016 ·28	1016 ·45	**1016 ·52**	1016 ·47	1016 ·04

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

374. Richmond (Kew Observatory) : H_b (height of barometer cistern above M.S.L.) = 10·4 metres. **July, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	018·1	017·7	017·6	017·5	017·5	017·1	017·0	016·6	016·3	015·9	015·7	015·2	014·5	014·0	013·4	012·4	011·7	011·1	010·7	009·7	009·0	008·2	007·6	007·4	014·1
2	006·2	005·8	005·4	005·9	006·5	007·2	007·5	007·7	008·0	008·0	007·9	008·0	008·0	008·0	007·9	008·0	008·2	008·7	008·9	009·5	009·9	010·0	010·5	010·8	007·9
3	010·9	010·7	010·8	010·7	010·4	010·0	009·4	008·7	008·1	007·8	007·7	007·6	007·6	007·9	009·4	009·9	010·5	011·1	011·8	012·5	013·3	013·7	013·7	013·6	010·3
4	013·5	013·4	013·1	012·9	012·6	012·4	011·9	011·2	010·9	010·2	009·6	008·9	008·7	008·2	007·9	007·4	007·0	006·7	006·8	006·8	007·3	007·4	007·8	007·8	009·7
5	008·0	008·0	008·2	008·4	008·2	008·0	008·2	008·1	007·9	007·4	006·8	006·2	005·8	005·1	004·1	001·9	999·6	997·6	995·5	993·5	992·2	991·5	990·1	988·5	002·9
6	986·6	984·4	982·0	984·0	984·8	984·5	984·0	983·3	983·1	983·1	985·0	987·8	991·5	994·8	997·0	999·2	000·7	002·6	004·4	006·1	007·3	008·2	009·1	009·9	**993·0**
7	010·5	011·4	012·0	012·6	013·2	013·7	014·5	015·2	015·5	015·9	016·1	016·2	016·4	016·2	016·4	016·7	017·0	017·2	017·1	017·2	017·4	017·2	017·1	016·8	015·3
8	016·3	015·7	015·1	014·6	013·8	012·8	012·1	011·0	009·6	008·6	007·3	007·0	005·2	004·7	002·1	003·8	003·2	002·8	002·4	001·0	001·4	000·9	000·2	000·6	007·5
9	999·1	998·7	998·0	997·3	996·7	996·9	997·9	999·5	000·9	001·9	003·0	004·5	006·0	007·1	008·0	008·8	009·8	010·5	011·3	012·2	013·2	013·6	014·2	014·5	004·8
10	014·8	014·8	015·0	015·2	015·6	016·1	016·8	017·3	017·5	017·7	018·9	018·1	018·2	018·5	018·6	018·8	018·8	019·3	019·9	020·6	021·3	021·7	022·1	022·3	018·1
11	022·2	022·1	022·1	022·3	023·0	023·2	023·7	023·8	023·7	023·6	023·4	023·3	023·5	023·5	023·4	023·2	022·9	022·9	023·0	023·3	024·0	024·1	024·1	024·1	**023·2**
12	024·0	023·8	023·7	023·6	023·6	023·7	023·7	023·5	023·1	022·9	022·3	021·9	021·3	020·8	020·5	019·8	019·3	019·2	019·3	019·4	019·6	019·5	019·4	019·0	021·6
13	018·1	017·3	016·8	016·7	016·3	015·9	015·5	015·3	014·7	014·5	014·1	013·3	012·7	011·7	011·0	010·4	010·0	009·3	008·7	008·5	008·1	007·8	007·5	007·3	012·8
14	006·8	006·1	005·4	004·8	004·5	004·2	004·1	003·8	003·3	002·6	002·4	002·0	001·7	001·5	001·3	001·2	001·1	000·9	001·0	001·1	001·3	001·4	001·4	001·0	002·8
15	000·8	000·6	000·6	001·1	001·6	001·9	002·1	002·3	002·2	002·4	002·7	002·7	002·7	002·8	003·0	003·1	003·6	003·9	004·2	004·6	005·4	005·7	005·7	005·7	002·9
16	005·9	005·6	005·6	005·6	005·6	005·9	006·2	006·3	006·3	006·4	006·9	007·2	007·2	007·5	007·6	007·9	008·1	008·6	008·9	009·2	009·9	010·2	010·4	010·6	007·4
17	010·6	010·9	011·1	011·6	011·8	012·6	013·0	013·8	014·3	014·3	014·7	015·0	015·0	015·0	015·1	014·8	014·6	014·6	014·9	015·1	015·1	015·1	014·7	014·4	013·7
18	014·0	013·9	011·6	010·8	010·4	009·9	009·5	010·1	011·3	011·9	012·4	013·0	013·3	013·3	013·4	013·4	013·6	013·8	014·2	014·7	015·6	016·3	016·8	017·1	013·0
19	017·1	017·2	017·4	017·8	018·2	018·6	019·0	019·1	019·2	019·1	019·3	019·3	019·3	019·3	019·3	018·9	018·8	019·0	019·1	019·5	020·0	020·1	020·1	020·1	018·9
20	019·9	019·8	019·9	019·7	019·7	019·7	019·8	019·7	019·6	019·4	018·9	018·5	018·1	017·7	017·4	016·9	016·5	016·5	016·3	016·1	015·9	015·7	015·5	015·0	018·1
21	014·7	014·7	014·3	014·0	014·2	014·0	014·0	013·8	013·7	013·2	012·3	011·7	011·1	011·0	010·9	010·8	011·1	010·9	011·0	011·1	011·5	011·6	011·4	011·3	012·5
22	011·3	011·1	010·9	010·6	010·6	010·8	010·7	010·8	010·5	010·3	009·9	009·4	009·1	008·9	008·5	008·2	007·7	007·5	007·5	007·7	007·5	007·4	007·2	006·8	009·3
23	006·3	005·9	005·7	005·1	004·7	004·5	004·5	004·5	004·2	004·1	003·9	003·5	003·5	003·6	003·5	003·2	003·3	003·3	003·5	003·7	004·0	004·0	003·8	004·0	004·2
24	004·1	004·1	004·5	005·2	006·2	007·2	008·0	008·8	009·7	010·4	011·2	011·6	012·2	012·9	013·5	013·9	014·3	014·8	015·7	016·2	017·1	017·6	017·8	018·1	010·2
25	018·2	018·1	018·1	018·3	018·5	019·0	019·3	019·7	019·7	019·8	019·6	019·7	019·6	019·5	019·4	019·2	019·1	019·4	019·6	020·0	020·4	020·7	020·8	020·6	019·4
26	020·5	020·3	020·2	020·1	020·0	019·9	019·8	020·0	019·6	019·4	019·4	019·2	018·8	018·3	018·3	018·1	017·7	017·8	017·7	017·8	017·7	017·7	017·6	017·5	019·0
27	017·3	017·0	016·9	016·7	017·1	017·4	017·7	017·9	018·3	018·0	018·0	018·0	018·1	018·0	017·8	017·8	017·7	017·8	017·9	018·2	018·6	018·5	018·8	019·2	017·8
28	019·2	019·2	019·0	019·3	019·6	020·4	020·9	021·0	021·2	020·9	021·2	021·6	021·6	021·3	021·3	021·3	020·9	020·7	020·8	020·9	020·9	020·9	020·9	020·6	020·6
29	020·3	029·9	019·5	018·7	019·0	018·9	018·5	018·3	017·6	017·1	016·5	016·3	016·0	015·7	015·2	015·1	015·1	014·6	014·7	014·5	014·3	014·2	014·0	013·8	016·7
30	013·5	013·3	013·2	013·0	013·1	013·2	013·2	013·4	013·2	013·4	013·5	013·4	013·5	013·5	013·1	013·1	012·9	012·8	012·8	013·0	013·5	013·8	014·2	014·2	013·3
31	014·1	014·1	014·1	014·0	014·2	014·1	014·2	014·1	014·0	014·0	014·0	013·9	013·6	014·0	013·6	013·3	013·7	014·0	014·3	014·9	015·3	015·9	016·2	016·4	014·3
Mean (Station level)	1012 ·34	1012 ·06	1011 ·88	**1011 ·87**	1011 ·97	1012 ·05	1012 ·15	1012 ·21	1012 ·17	1012 ·07	1012 ·08	1012 ·07	1012 ·06	1012 ·07	1012 ·00	1011 ·95	1011 ·89	1011 ·93	1012 ·06	1012 ·24	1012 ·52	1012 ·60	**1012 ·60**	1012 ·52	1012 ·11
Mean (Sea level)	1013 ·59	1013 ·31	1013 ·13	**1013 ·13**	1013 ·23	1013 ·31	1013 ·40	1013 ·46	1031 ·41	1013 ·31	1013 ·32	1013 ·30	1013 ·29	1013 ·31	1013 ·23	1013 ·18	1013 ·12	1013 ·16	1013 ·30	1013 ·48	1013 ·76	1013 ·85	**1013 ·85**	1013 ·78	1013 ·35

375. Richmond (Kew Observatory) : H_b = 10·4 metres. **August, 1922.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	m b.	mb.
1	016·6	016·7	016·9	017·0	017·2	017·5	017·8	017·8	017·7	017·5	017·3	017·0	017·2	017·1	017·2	017·1	017·0	016·6	016·8	017·3	017·9	018·1	018·2	018·3	017·3
2	018·2	018·3	018·5	018·8	019·0	019·3	019·4	019·4	019·5	019·5	019·6	019·6	019·5	019·4	019·0	019·0	019·0	019·1	019·3	019·4	019·6	019·6	019·6	019·5	019·2
3	019·1	019·0	019·0	018·9	019·0	019·1	019·2	019·2	019·1	019·1	019·1	018·7	018·4	018·3	018·2	018·4	018·3	018·2	018·1	018·2	018·2	018·4	018·3	018·2	018·7
4	017·9	017·5	017·2	016·8	016·8	016·9	016·8	016·8	016·6	016·5	016·2	015·9	015·6	015·2	014·8	014·5	014·4	014·4	014·5	014·6	014·7	014·8	014·7	014·7	015·9
5	014·7	014·6	014·6	014·6	014·6	014·8	015·2	015·4	015·5	015·4	015·2	015·2	014·8	014·6	014·0	013·8	013·4	013·4	013·5	013·5	013·7	013·7	013·7	013·5	014·4
6	013·1	012·3	011·7	011·2	010·9	010·6	010·3	010·1	009·6	009·0	008·9	008·4	008·0	007·5	007·2	006·3	005·7	005·3	004·9	004·4	004·1	003·5	002·6	002·1	008·1
7	001·6	001·3	000·7	000·5	000·5	000·7	000·8	001·2	001·8	002·4	002·8	003·2	003·8	004·3	004·5	004·5	004·5	004·6	005·1	006·0	006·4	006·4	006·6	006·2	003·3
8	006·3	006·0	005·6	004·8	004·6	004·3	004·3	003·9	003·2	003·0	002·8	002·8	002·6	002·2	002·0	002·1	002·3	002·7	002·8	003·2	003·5	003·6	003·7	003·7	003·6
9	003·8	003·8	003·8	003·8	004·0	004·5	005·1	005·4	006·1	006·7	007·3	007·5	007·6	008·0	009·4	009·7	010·4	011·1	012·2	013·4	014·2	015·1	015·8	016·7	008·3
10	017·0	017·6	018·1	018·4	018·9	019·4	019·8	020·5	020·9	021·0	021·3	021·3	021·4	021·3	021·3	021·5	021·5	021·4	022·0	022·2	022·4	022·6	022·7	022·7	020·6
11	022·7	022·4	022·5	022·5	022·6	022·8	023·2	023·1	023·1	023·1	022·0	022·3	022·0	022·2	022·0	021·9	021·4	021·1	021·2	021·3	021·3	021·3	021·3	021·1	022·2
12	020·9	020·8	020·5	020·1	020·0	019·9	019·8	019·4	018·9	018·5	018·0	017·5	017·0	016·5	016·2	015·5	014·6	014·0	013·7	013·5	013·2	013·0	012·7	012·2	017·1
13	011·9	011·8	011·4	011·2	011·3	011·6	011·7	012·2	013·0	013·1	013·2	013·0	012·8	013·2	013·2	013·2	013·3	013·3	013·4	013·9	014·1	014·0	013·9	013·7	012·8
14	013·8	013·8	013·7	013·4	013·6	013·8	014·0	014·0	013·6	013·4	013·4	013·0	012·9	012·4	012·3	012·0	011·9	011·7	012·0	012·0	012·3	012·6	013·3	013·3	013·0
15	013·4	013·8	013·7	014·3	014·9	015·3	016·0	016·4	016·9	017·2	017·2	017·4	017·9	017·9	017·9	017·9	018·3	018·5	018·6	019·1	019·6	019·9	019·8	019·8	017·0
16	019·6	019·6	019·4	019·3	019·4	019·4	019·4	019·4	019·4	019·1	018·7	018·4	018·3	018·1	017·6	017·5	017·2	017·0	016·8	016·8	016·5	016·5	016·0	015·5	018·2
17	014·7	014·1	013·2	012·9	011·9	011·8	011·6	011·5	011·5	011·6	012·0	012·4	012·8	013·0	013·8	013·9	014·0	014·3	014·8	016·0	016·7	017·2	017·6	017·9	013·7
18	018·2	018·3	018·4	018·8	019·0	019·6	020·1	020·5	020·5	020·7	020·8	020·7	020·8	020·6	020·8	020·8	020·8	020·8	021·2	021·6	022·0	022·3	022·9	023·1	020·4
19	023·2	023·3	023·5	023·8	024·1	024·4	024·9	024·7	024·9	024·9	025·1	025·4	024·0	024·0	023·7	023·3	023·0	023·1	023·2	023·3	023·1	023·1	023·1	023·1	**023·8**
20	022·7	022·4	022·1	021·7	021·7	021·8	022·0	022·1	022·1	022·1	021·9	021·7	021·2	020·7	020·4	020·1	020·0	019·8	019·9	020·0	019·9	019·8	019·7	019·6	021·1
21	019·1	018·9	018·7	018·4	018·4	018·5	018·6	018·4	018·1	017·6	016·7	016·1	015·4	015·0	014·4	013·9	013·4	013·4	013·4	013·3	012·7	012·8	012·6	012·2	016·0
22	011·2	010·3	010·0	010·2	010·2	010·2	010·2	010·1	009·8	010·1	010·1	009·9	009·7	009·6	009·4	009·2	009·0	008·9	008·9	008·6	007·7	007·0	006·4	005·6	009·4
23	004·7	004·0	003·5	003·4	003·6	004·1	004·7	005·5	006·1	006·4	007·1	007·4	007·7	008·8	009·3	009·9	010·4	010·9	011·5	012·3	012·6	012·9	013·5	013·7	007·9
24	013·8	013·8	013·7	013·6	013·5	013·7	013·8	013·5	013·1	021·4	011·3	010·4	009·8	009·2	008·4	007·9	007·0	005·5	004·6	004·2	004·4	004·2	004·2	004·5	009·7
25	004·5	004·6	004·7	005·9	005·0	005·7	006·3	007·2	007·5	008·2	009·1	009·5	010·2	010·7	011·1	011·2	012·0	013·0	013·8	014·8	015·9	016·4	017·2	017·9	009·8
26	018·3	018·5	018·9	019·5	019·6	020·0	020·3	020·8	021·0	021·1	020·6	020·6	020·2	019·8	019·1	018·6	018·3	018·2	018·3	018·5	018·3	017·9	017·5	017·1	019·2
27	016·6	015·9	015·3	015·0	014·6	014·5	014·4	014·3	014·1	013·8	013·2	012·8	012·4	011·7	011·1	010·7	010·6	010·4	010·5	010·7	010·5	010·0	009·8	009·3	012·8
28	008·7	008·0	007·7	006·9	007·1	007·1	007·1	007·2	007·3	007·4	007·2	007·0	006·9	006·9	007·0	006·9	007·0	007·4	007·9	008·6	008·9	008·8	008·9	009·0	007·6
29	008·4	008·7	008·5	008·5	008·5	008·8	009·0	009·1	009·0	008·8	008·5	007·8	006·9	006·2	005·6	005·0	004·2	003·9	003·2	002·6	002·5	002·1	001·5	000·7	006·3
30	000·8	000·7	000·7	000·4	000·5	000·5	000·4	000·1	000·1	998·7	998·5	998·4	998·0	998·1	997·9	997·8	997·3	996·5	995·8	996·0	996·5	998·6	999·5	000·1	**998·5**
31	000·5	001·5	001·8	001·8	001·9	002·4	003·0	003·0	002·9	003·0	002·5	002·3	002·1	002·3	002·9	002·9	003·0	003·5	004·3	004·4	004·6	004·7	004·6	005·0	002·9
Mean (Station level)	1013 ·40	1013 ·27	1013 ·13	1013 ·07	1013 ·08	1013 ·29	1013 ·49	1013 ·59	**1013 ·61**	1013 ·59	1013 ·48	1013 ·32	1013 ·19	1013 ·08	1012 ·96	1012 ·78	1012 ·63	**1012 ·62**	1012 ·77	1013 ·03	1013 ·17	1013 ·25	1013 ·30	1013 ·23	1013 ·10
Mean (Sea level)	1014 ·65	1014 ·53	1014 ·39	1014 ·33	1014 ·35	1014 ·55	1014 ·75	1014 ·84	**1014 ·86**	1014 ·83	1014 ·72	1014 ·55	1014 ·42	1014 ·31	1014 ·20	1014 ·01	1013 ·87	**1013 ·85**	1014 ·00	1014 ·28	1014 ·42	1014 ·50	1014 ·55	1014 ·48	1014 ·43
G.M.T.	1	2	3	4	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19	20	21.	22	23	24	Mean

Note.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

376. Richmond (Kew Observatory) : H_b (height of barometer cistern above M.S.L.) = 10·4 metres. **September, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	004·9	004·9	004·7	004·6	004·8	005·1	005·2	005·3	005·3	005·1	005·1	005·1	005·1	005·1	005·4	005·5	005·5	005·8	006·3	006·5	006·6	006·7	007·1	007·2	005·5
2	007·1	007·2	007·5	007·7	008·3	008·8	009·4	009·6	010·1	010·5	010·8	010·8	010·9	011·1	011·9	012·3	012·3	013·2	013·5	014·3	014·8	015·1	015·3	015·6	011·0
3	015·7	016·3	016·8	016·8	016·9	017·4	018·2	018·5	018·8	019·2	019·4	019·5	019·5	019·4	019·4	019·3	019·5	019·6	020·2	020·5	021·1	021·3	021·2	021·3	018·9
4	021·4	021·4	021·5	021·8	021·9	022·2	022·6	022·9	023·3	023·4	023·3	023·3	023·2	023·0	023·0	023·0	023·1	022·9	023·0	023·2	023·4	023·2	023·3	023·2	022·7
5	023·0	022·9	022·9	022·7	022·6	022·7	022·8	022·8	023·4	023·5	023·4	023·2	022·9	022·7	022·6	022·6	022·6	022·8	023·2	023·6	023·9	024·1	024·2	024·3	023·1
6	024·2	024·1	024·1	024·2	024·0	024·5	024·9	025·0	025·2	025·1	025·2	025·2	025·0	024·9	024·9	024·9	024·9	025·2	025·7	026·3	026·5	026·8	026·8	026·7	025·1
7	026·6	026·6	026·4	026·3	026·2	026·5	026·7	026·9	027·1	027·1	026·8	026·5	026·5	026·2	025·9	025·7	025·7	025·7	026·2	026·8	027·1	027·3	027·7	028·0	026·6
8	027·8	027·7	027·6	027·5	027·5	027·7	027·9	028·1	028·4	028·3	028·0	027·7	027·4	026·8	026·5	026·5	026·4	026·6	026·8	027·0	027·0	027·0	027·0	026·9	**027·4**
9	026·8	026·5	026·3	026·1	026·1	026·2	026·1	026·2	025·9	025·6	025·4	025·2	024·9	024·5	023·9	023·5	023·4	023·5	023·7	023·9	023·8	023·6	023·4	023·4	025·0
10	023·1	022·7	022·6	022·3	022·1	022·1	022·1	022·0	021·8	021·5	021·2	020·9	020·7	020·5	020·1	020·0	020·0	020·2	020·5	020·8	021·3	021·4	021·4	021·2	021·4
11	021·0	021·0	020·8	020·5	020·3	020·0	019·8	019·9	019·7	019·3	018·5	017·7	017·1	016·3	015·6	014·9	014·4	014·2	014·1	014·0	013·3	012·7	012·7	011·4	017·2
12	010·7	009·8	008·7	008·0	007·2	006·5	006·1	005·1	004·2	003·2	002·1	000·9	999·6	998·3	996·8	995·8	994·6	993·1	991·7	990·2	988·4	987·0	985·2	983·7	999·6
13	982·4	982·0	981·9	981·9	982·1	982·2	982·7	982·8	982·9	982·9	982·6	982·4	982·3	982·1	982·1	982·0	981·9	982·1	982·6	982·7	982·6	982·7	982·9	983·2	**982·4**
14	983·3	983·5	983·9	984·4	985·2	985·8	986·7	987·8	988·6	989·6	990·5	990·8	991·2	991·8	992·3	993·1	993·8	993·8	993·9	994·9	996·1	997·0	997·7	998·2	990·3
15	999·2	000·1	001·0	001·8	002·9	004·1	005·3	006·6	007·6	008·6	009·6	010·6	011·7	012·2	012·5	013·4	014·5	015·5	016·8	017·9	018·5	019·0	019·2	019·8	009·9
16	020·0	020·0	020·0	020·0	019·8	020·0	020·1	020·1	020·0	019·7	019·2	018·7	017·8	017·4	016·9	016·3	015·6	015·1	014·9	014·4	013·6	012·7	012·0	011·3	017·5
17	010·9	010·6	010·3	009·1	009·1	009·0	009·1	009·0	009·1	009·0	008·9	009·2	009·3	009·6	010·0	010·3	011·1	011·7	012·7	013·9	014·4	014·9	015·4	016·1	010·8
18	016·8	017·2	018·0	018·6	020·0	021·0	022·0	023·1	024·0	024·8	024·8	025·1	025·2	025·3	025·4	025·4	025·5	025·6	026·0	026·4	026·4	026·2	026·1	026·0	023·3
19	025·5	025·0	024·4	023·8	023·3	022·6	021·9	021·1	020·5	020·4	019·0	018·0	016·8	016·7	016·1	015·9	015·7	015·4	015·7	015·7	015·8	015·4	014·9	014·6	019·2
20	014·1	014·2	014·3	014·9	015·9	016·6	017·2	018·6	019·8	020·6	020·9	021·3	021·5	021·7	021·9	022·2	022·5	022·8	023·8	024·2	024·4	024·5	025·0	025·1	020·1
21	024·9	024·7	024·6	024·6	024·6	024·5	024·7	024·7	024·8	024·7	024·5	024·4	024·1	023·4	023·0	022·7	022·7	022·5	022·7	022·7	022·7	022·5	022·3	022·0	023·8
22	021·7	021·3	020·8	020·4	019·9	019·8	019·4	018·8	019·0	018·9	018·7	018·7	018·8	019·0	018·9	019·1	019·2	019·2	019·5	019·7	020·9	021·2	021·6	021·3	019·8
23	021·2	020·9	020·7	020·6	020·4	020·2	020·3	020·1	020·0	019·8	019·3	018·5	017·9	017·3	016·5	015·8	015·2	014·9	014·8	014·5	014·8	013·5	013·1	012·5	017·8
24	012·2	011·8	011·1	010·3	010·2	010·4	010·5	010·6	010·9	010·9	011·1	011·2	011·2	011·7	011·0	011·2	011·5	011·4	011·6	012·3	012·3	012·5	012·6	012·5	011·4
25	012·4	012·0	012·2	012·0	012·0	011·5	011·7	011·5	011·7	011·0	010·3	009·9	009·2	008·5	008·0	007·4	007·1	007·0	006·7	006·1	005·3	004·9	004·2	003·8	009·2
26	003·2	002·3	001·7	001·4	001·0	000·6	000·8	000·8	000·8	000·9	000·7	000·6	000·6	000·4	999·7	999·4	999·3	999·2	999·1	999·0	998·7	998·3	998·3	998·2	000·3
27	998·5	998·1	997·8	998·3	998·4	998·3	998·8	999·5	999·7	000·3	000·4	000·7	000·7	000·7	000·7	000·7	000·9	001·5	002·0	002·8	003·2	003·3	003·6	003·8	000·4
28	003·9	004·0	004·0	004·3	004·6	005·1	005·6	006·1	006·3	006·5	006·5	006·5	006·5	006·7	007·1	007·4	007·8	008·6	009·3	010·2	011·1	011·4	011·9	012·5	007·1
29	013·0	013·9	014·6	015·6	016·5	017·6	018·0	018·8	019·5	019·9	020·0	020·3	020·4	020·6	020·7	021·0	021·3	022·0	022·4	022·7	022·8	022·8	023·3	023·4	019·4
30	023·5	023·2	023·2	023·4	023·7	024·0	024·0	024·2	024·5	024·4	023·9	023·8	023·5	023·6	022·9	022·3	021·9	021·9	021·1	020·8	020·1	019·2	018·4	017·5	022·6
Mean (Station level)	1013 ·97	1013 ·86	1013 ·81	**1013 ·80**	1013 ·92	1014 ·10	1014 ·35	1014 ·55	1014 ·76	**1014 ·81**	1014 ·67	1014 ·56	1014 ·38	1014 ·25	1014 ·06	1013 ·99	1014 ·00	1014 ·10	1014 ·35	1014 ·60	1014 ·70	1014 ·61	1014 ·58	1014 ·49	1014 ·29
Mean (Sea level)	1015 ·23	1015 ·13	1015 ·08	**1015 ·07**	1015 ·19	1015 ·37	1015 ·62	1015 ·81	1016 ·02	**1016 ·07**	1015 ·92	1015 ·80	1015 ·63	1015 ·49	1015 ·30	1015 ·23	1015 ·24	1015 ·35	1015 ·60	1015 ·86	1015 ·96	1015 ·87	1015 ·85	1015 ·75	1015 ·55

377. Richmond (Kew Observatory) : H_b = 10·4 metres. **October, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	017·4	017·4	017·4	017·2	017·2	017·5	017·5	017·9	018·3	018·5	018·4	018·6	018·3	017·8	017·7	017·7	017·8	017·9	018·1	018·1	018·3	018·5	018·5	018·4	017·9
2	018·4	018·4	018·6	018·3	018·3	018·6	018·9	019·0	019·1	019·3	019·3	019·1	018·6	018·3	018·2	017·8	017·6	018·0	018·0	018·3	018·1	017·9	017·8	017·4	018·4
3	017·2	017·2	016·8	016·8	017·0	016·9	017·0	017·4	017·5	017·3	017·1	017·0	016·9	016·6	016·4	016·3	016·1	016·1	016·0	016·1	016·1	015·9	015·8	015·9	016·7
4	015·8	015·4	015·0	014·7	014·5	014·5	014·7	014·7	015·1	015·1	014·9	014·7	014·7	014·6	014·5	014·6	014·0	014·1	014·0	014·0	013·7	013·5	013·0	012·8	014·5
5	012·6	012·0	011·5	010·9	010·8	010·2	010·0	010·0	010·1	010·0	009·5	009·1	008·9	008·4	008·3	008·1	007·8	007·9	008·0	008·0	008·0	007·9	008·0	008·2	009·4
6	008·4	008·8	009·1	009·5	010·0	010·6	011·4	012·4	013·0	013·4	014·4	015·2	015·8	016·6	017·2	018·0	019·1	020·1	020·7	021·3	021·9	022·1	022·4	022·5	015·3
7	022·5	022·5	022·6	022·7	022·9	023·4	023·8	024·2	024·4	024·6	024·4	024·4	024·4	024·2	024·0	024·0	024·1	024·5	025·0	025·4	025·7	025·5	025·4	025·1	024·1
8	025·1	025·1	025·1	025·1	025·2	025·5	025·7	025·6	025·4	025·3	025·1	024·9	024·6	024·6	024·4	024·4	024·3	024·4	024·5	024·5	024·5	024·5	024·4	024·3	**024·9**
9	024·1	024·0	023·7	023·5	023·3	023·2	023·2	023·3	123·3	023·1	022·8	022·3	021·9	021·5	021·3	020·8	020·9	021·1	021·1	021·0	020·9	020·7	020·5	020·4	022·2
10	020·1	019·5	019·3	019·0	019·0	018·8	018·8	018·9	018·9	018·8	018·4	018·0	017·6	017·3	017·1	016·9	017·0	017·0	016·9	017·1	017·1	016·9	016·7	016·4	018·1
11	016·3	015·9	015·5	015·4	015·3	015·3	015·4	015·5	015·4	015·6	015·5	015·1	014·9	014·6	014·6	014·5	014·7	015·3	015·4	015·7	016·0	016·1	016·2	016·3	015·4
12	016·4	016·4	016·6	017·1	017·4	017·6	018·1	018·6	018·8	019·1	019·1	019·2	019·1	019·1	019·4	019·8	020·0	020·7	021·3	021·4	021·9	022·0	022·1	019·2	019·2
13	022·2	022·2	022·2	022·4	022·6	022·8	022·9	023·2	023·4	023·2	022·9	022·4	022·4	022·2	022·0	022·1	022·2	022·4	022·4	022·3	022·8	022·5	022·4	022·3	022·5
14	022·3	022·2	022·1	021·9	022·1	022·1	022·3	022·6	022·6	022·6	022·1	021·9	021·1	020·8	020·4	020·1	020·2	020·3	020·4	020·5	020·7	020·6	020·3	020·2	021·4
15	019·9	019·3	019·0	018·6	018·7	018·7	018·7	018·7	018·6	018·5	018·4	017·6	016·9	016·6	016·2	016·1	016·2	016·2	016·1	016·2	016·1	016·2	016·1	015·9	017·6
16	015·7	015·4	015·2	015·0	015·0	015·2	015·5	015·7	015·7	015·6	016·0	015·8	015·7	015·5	015·4	015·3	015·3	015·6	015·6	015·7	015·9	015·8	015·7	015·7	015·5
17	015·6	015·5	015·3	015·1	015·0	015·1	015·3	015·7	015·8	016·2	016·2	016·0	015·8	015·6	015·7	015·9	016·3	016·7	016·9	017·1	017·3	017·9	018·2	018·4	016·1
18	018·5	018·4	018·5	018·6	018·9	019·0	019·1	019·6	019·7	020·0	019·8	019·7	019·7	019·4	019·4	019·3	019·5	019·9	020·0	020·0	020·2	020·3	020·4	020·3	019·5
19	020·1	020·0	019·8	019·9	020·0	020·0	020·1	020·3	020·2	020·1	019·9	019·8	019·5	018·8	018·5	018·5	018·3	018·4	018·4	018·2	018·1	017·9	017·5	017·1	019·2
20	016·8	016·4	015·8	015·4	015·1	014·7	014·6	014·7	014·7	014·5	014·6	014·4	014·2	014·0	013·7	013·5	013·6	014·1	014·2	014·3	014·5	014·5	014·5	014·5	014·7
21	014·6	014·8	014·8	014·6	015·2	015·6	015·6	016·1	016·4	016·3	016·1	015·8	015·4	015·0	014·8	014·8	014·9	016·0	016·3	016·4	016·6	016·6	016·8	016·7	015·6
22	016·4	016·4	016·1	015·8	015·6	015·5	015·6	015·9	015·9	015·7	015·4	014·9	014·3	013·8	013·6	013·4	013·3	013·4	013·4	013·5	013·7	013·6	013·4	013·4	014·7
23	013·2	013·0	012·7	012·6	012·5	012·7	012·9	013·1	013·4	013·6	013·7	013·6	013·5	013·6	013·9	014·1	014·4	014·8	015·5	015·9	016·4	016·8	016·9	017·1	014·1
24	017·2	017·2	017·3	017·4	017·9	018·3	018·9	019·7	019·9	020·2	020·4	020·3	020·1	019·7	020·1	020·2	020·5	021·0	021·3	021·2	021·4	021·5	021·4	021·4	019·7
25	021·2	021·1	020·8	020·8	020·7	020·7	020·7	020·8	020·9	020·9	020·5	020·1	019·8	019·6	019·5	019·6	019·7	020·0	020·0	019·9	019·9	019·8	019·8	019·8	020·3
26	019·8	019·7	019·4	019·2	019·1	018·6	018·5	018·3	018·0	017·6	017·1	016·3	015·6	014·6	013·8	013·2	012·8	012·6	012·2	012·0	011·8	011·5	011·0	010·1	015·7
27	009·4	008·8	008·4	008·3	008·3	008·2	008·0	008·3	008·4	008·5	008·4	008·1	008·2	008·2	008·3	008·9	009·7	010·6	011·3	011·8	012·2	012·7	013·0	013·4	009·5
28	013·5	014·0	014·0	014·6	015·3	015·8	016·6	017·3	017·7	018·0	018·2	018·1	018·1	018·0	017·8	018·0	018·1	018·1	018·2	017·8	017·8	018·0	017·5	016·9	016·9
29	016·3	015·7	014·8	014·2	014·0	013·4	012·3	011·9	011·2	009·9	008·9	007·8	006·5	005·7	004·5	003·5	003·0	001·7	001·3	000·8	000·2	999·6	999·3	998·1	007·7
30	998·0	998·0	997·2	997·0	997·0	996·8	996·9	997·3	997·7	997·8	997·9	997·7	997·9	998·2	998·9	999·1	000·0	000·9	001·6	002·3	003·2	004·2	004·8	005·9	**999·3**
31	006·6	007·2	007·9	008·7	009·6	010·2	011·3	012·6	013·6	014·5	014·8	015·2	015·4	015·7	016·2	016·6	017·1	017·5	017·8	017·7	017·8	017·6	016·8	016·2	013·7
Mean (Station level)	1016 ·50	1016 ·38	1016 ·21	1016 ·14	1016 ·24	1016 ·30	1016 ·45	1016 ·75	1016 ·88	**1016 ·90**	1016 ·80	1016 ·57	1016 ·33	1016 ·08	1015 ·99	**1015 ·97**	1016 ·08	1016 ·37	1016 ·51	1016 ·60	1016 ·74	1016 ·75	1016 ·66	1016 ·55	1016 ·45
Mean (Sea level)	1017 ·79	1017 ·67	1017 ·49	1017 ·43	1017 ·53	1017 ·59	1017 ·74	1018 ·04	1018 ·16	**1018 ·17**	1018 ·07	1017 ·84	1017 ·59	1017 ·35	1017 ·26	**1017 ·24**	1017 ·35	1017 ·64	1017 ·79	1017 ·88	1018 ·02	1018 ·03	1017 ·94	1017 ·84	1017 ·72

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

378. Richmond (Kew Observatory) : H_b (height of barometer cistern above M.S.L.) = 10·4 metres. **November, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb
1	015·3	014·0	012·8	011·2	009·3	007·4	005·8	004·0	001·3	999·5	997·3	994·8	993·0	991·9	991·1	990·5	992·4	994·1	996·1	997·1	998·4	000·1	001·4	002·6	001·2
2	003·5	004·5	005·1	005·8	006·8	007·6	008·4	009·2	009·6	009·8	009·9	009·5	009·4	009·3	009·4	009·4	009·3	009·1	009·3	009·3	009·1	008·6	008·0	007·3	008·1
3	006·1	005·5	004·4	003·3	002·6	001·6	001·2	000·1	999·2	998·5	998·0	997·3	996·8	995·5	994·8	994·7	994·3	994·3	994·4	994·3	994·1	993·9	993·9	994·2	998·3
4	994·3	994·7	995·3	996·2	997·5	999·0	000·7	003·0	004·8	006·5	007·5	008·6	009·2	010·0	010·8	011·4	012·3	013·1	013·8	014·8	015·4	015·8	016·3	016·5	006·5
5	017·0	017·3	017·2	017·4	017·6	017·6	017·9	018·2	018·1	017·8	017·6	017·2	016·4	015·5	014·2	013·1	012·4	011·9	011·1	009·7	008·5	006·7	004·6	003·1	014·4
6	001·7	000·1	998·0	996·5	995·0	993·3	992·1	990·8	989·2	988·9	988·2	987·8	987·3	987·1	987·1	987·7	988·0	988·1	988·3	988·8	989·8	990·0	990·1	990·3	**991·3**
7	990·1	990·0	990·2	990·5	991·0	991·4	992·4	993·6	995·0	996·5	997·6	998·7	000·0	001·3	002·2	003·4	004·7	006·0	006·6	007·3	008·1	008·7	009·3	009·3	998·9
8	009·3	009·4	008·8	008·8	008·4	008·1	008·0	008·0	007·4	007·3	007·4	006·8	006·6	006·3	006·1	006·6	007·4	008·4	009·3	009·8	010·8	011·5	012·9	012·9	008·5
9	013·4	014·3	014·7	015·5	016·6	017·5	018·4	019·5	020·4	020·7	021·2	021·7	021·8	021·9	022·0	022·3	022·5	022·9	023·1	022·9	023·0	022·6	022·1	022·0	019·9
10	020·8	020·0	019·3	018·7	017·7	016·9	016·4	015·8	015·2	014·4	013·8	012·8	012·2	011·2	010·9	010·8	010·5	010·8	011·0	011·3	011·6	012·1	012·6	013·3	014·3
11	013·9	014·4	015·0	016·1	017·0	018·0	019·1	019·8	020·3	020·8	021·4	021·7	022·1	022·6	023·0	023·3	024·0	024·8	025·7	026·0	026·4	026·6	027·0	027·2	021·2
12	027·3	027·8	028·1	028·7	028·9	029·3	029·9	030·3	030·5	030·6	030·5	030·4	030·2	030·1	030·3	030·0	030·5	031·0	031·2	031·3	031·3	031·0	031·1	031·2	030·0
13	031·3	031·5	031·5	031·8	031·7	031·7	032·3	032·5	032·8	032·8	032·9	032·3	032·2	032·0	032·1	032·1	032·5	032·6	032·8	032·8	033·0	032·8	032·9	033·0	032·3
14	033·0	033·0	033·0	032·9	032·9	033·2	033·5	034·1	034·4	034·3	034·2	034·1	034·1	034·2	034·2	034·3	034·6	034·7	035·4	035·7	036·2	036·0	036·6	036·7	034·3
15	037·3	037·1	037·0	037·1	037·3	037·6	038·0	038·2	038·8	039·1	039·2	039·2	039·2	039·2	039·8	039·9	040·4	040·6	040·8	041·0	041·7	041·5	041·4	041·8	039·2
16	041·7	041·7	041·3	041·5	041·3	041·3	041·4	041·8	042·3	042·3	042·3	042·1	041·9	041·2	040·6	040·0	039·9	039·8	039·6	039·5	039·3	039·0	038·9	038·2	**040·9**
17	037·9	037·7	037·6	037·4	037·2	036·7	036·6	036·1	035·3	035·2	034·1	033·6	032·5	031·9	031·1	030·9	030·7	030·5	030·8	030·7	030·5	030·2	029·5	029·0	033·7
18	028·4	027·9	027·3	026·6	025·9	025·3	025·2	025·2	025·0	024·9	024·8	024·6	024·2	023·9	023·7	024·1	024·3	024·4	024·8	025·0	025·1	025·2	025·5	025·6	025·4
19	025·4	025·4	025·4	025·2	025·0	025·0	025·1	025·7	026·0	025·9	025·7	025·4	025·2	025·0	025·0	025·0	025·0	025·0	025·1	025·1	025·2	025·0	024·9	025·0	025·3
20	024·6	024·7	024·6	024·4	024·5	024·7	024·8	025·3	025·5	025·6	025·8	025·8	025·8	025·9	026·1	026·5	026·9	027·4	027·8	028·3	028·7	028·9	029·1	029·2	026·2
21	029·3	029·6	029·8	029·8	030·1	030·1	030·4	030·8	031·2	031·5	031·5	031·3	031·2	031·0	031·1	031·1	031·4	031·4	031·6	031·6	031·6	031·4	031·5	031·7	030·9
22	031·4	031·4	031·3	031·3	031·3	031·2	031·5	031·7	031·9	032·0	031·9	031·7	031·5	031·2	031·1	031·1	031·3	031·4	031·6	031·6	031·6	031·5	031·6	031·9	031·5
23	031·6	031·7	031·5	031·4	031·7	031·9	032·1	032·4	032·4	032·4	032·2	032·0	031·8	031·4	031·4	031·6	031·8	032·0	032·2	032·2	032·4	032·2	032·4	032·5	032·0
24	032·7	032·7	032·6	032·7	032·8	033·2	033·4	033·8	034·4	034·5	034·8	034·7	034·7	034·7	035·1	035·9	036·6	037·1	037·3	037·9	038·6	038·8	039·1	039·3	035·2
25	039·3	039·4	039·2	039·0	039·3	039·5	039·8	040·3	040·3	040·2	039·9	039·2	038·6	037·8	037·3	036·9	036·6	036·3	036·0	035·2	034·4	033·6	033·0	032·4	037·8
26	030·7	029·9	029·0	028·1	027·2	026·4	025·9	025·3	024·7	024·0	022·9	022·0	020·4	019·9	019·5	020·9	021·5	022·4	023·4	023·9	024·6	025·1	025·8	026·2	024·7
27	026·4	026·5	026·7	027·0	027·5	027·8	027·9	028·3	028·5	029·0	028·9	028·7	028·5	028·3	028·3	028·3	028·8	029·2	029·6	030·1	030·1	029·6	029·6	029·4	028·4
28	029·0	028·7	027·7	026·6	025·4	024·8	024·2	023·5	022·8	022·4	021·5	021·2	020·8	020·8	020·9	021·2	020·9	021·3	021·6	021·9	021·4	021·2	021·1	020·6	023·2
29	020·4	020·3	020·3	019·8	019·5	019·6	019·8	020·1	020·6	021·2	021·5	021·1	021·1	021·2	021·4	021·7	022·1	022·4	022·9	023·2	023·5	023·8	024·3	024·5	021·4
30	024·7	024·8	024·7	024·8	024·9	025·2	025·3	025·7	026·2	026·3	025·9	025·4	024·9	024·4	024·2	024·1	023·9	023·7	023·1	022·7	022·6	022·3	021·5	020·7	024·3
Mean (Station level)	1022 ·26	1022 ·20	1021 ·98	1021 ·87	1021 ·80	1021 ·76	1021 ·92	1022 ·10	1022 ·14	1022 ·16	1022 ·01	1021 ·72	1021 ·45	1021 ·22	**1021 ·16**	1021 ·29	1021 ·58	1021 ·89	1022 ·21	1022 ·37	1022 ·57	1022 ·52	**1022 ·60**	1022 ·59	1021 ·98
Mean (Sea level)	1023 ·57	1023 ·51	1023 ·29	1023 ·18	1023 ·10	1023 ·07	1023 ·22	1023 ·41	1023 ·44	1023 ·46	1023 ·31	1023 ·01	1022 ·74	1022 ·51	**1022 ·45**	1022 ·58	1022 ·88	1023 ·19	1023 ·51	1023 ·67	1023 ·87	1023 ·83	**1023 ·91**	1023 ·89	1023 ·28

379. Richmond (Kew Observatory) : H_b = 10·4 metres. **December, 1922.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	020·0	019·4	018·4	017·7	017·2	016·8	016·5	016·3	016·1	015·8	016·0	015·9	015·6	015·4	015·8	015·8	016·2	016·5	017·0	017·5	018·5	019·0	019·6	019·6	017·2
2	019·7	020·2	020·6	020·9	021·2	021·4	021·8	022·5	022·7	023·4	023·5	023·1	023·0	023·0	023·2	023·2	023·5	023·5	024·0	024·0	023·8	024·0	024·3	024·8	022·6
3	025·1	025·3	025·2	025·1	025·4	025·6	025·5	026·1	026·7	027·2	027·9	028·0	027·9	028·0	028·2	028·4	028·7	029·0	029·1	029·3	029·8	029·8	030·0	030·0	027·4
4	029·8	029·6	029·7	029·9	029·9	029·7	030·1	030·3	030·7	030·8	030·7	030·9	030·6	030·5	030·4	030·5	030·5	030·6	030·7	030·8	031·1	031·1	031·0	030·9	**030·4**
5	030·6	030·6	030·2	030·2	030·2	030·0	029·7	029·5	029·2	029·4	028·9	028·1	027·2	026·5	025·5	025·1	024·0	024·3	023·5	023·0	021·8	021·4	021·9	022·0	027·0
6	022·1	022·3	022·5	022·5	023·0	023·2	023·6	023·9	024·2	024·8	025·1	024·8	024·2	024·0	024·1	024·2	024·6	025·0	025·5	026·0	026·3	026·6	026·8	027·1	024·3
7	027·1	027·3	027·5	027·7	027·6	027·5	027·5	027·2	027·0	027·0	026·8	026·0	024·8	023·6	022·4	021·5	020·8	020·5	020·1	019·5	019·4	018·9	018·8	018·7	024·1
8	018·3	018·3	018·3	018·4	018·5	018·5	019·0	019·3	019·6	020·1	020·0	019·8	019·7	019·7	019·7	020·1	020·2	020·6	021·3	021·7	021·9	022·2	022·3	022·5	019·9
9	022·5	022·7	022·5	022·6	022·7	022·6	022·9	023·2	023·4	023·8	023·8	023·4	023·2	023·3	023·4	023·6	023·8	023·9	024·3	024·5	024·7	024·5	024·8	025·0	023·5
10	025·2	025·2	025·4	025·8	026·1	026·4	026·9	027·2	027·8	028·1	028·6	028·8	028·9	029·1	029·2	029·4	029·5	029·9	030·1	030·3	030·4	030·5	030·7	030·5	028·2
11	030·4	030·6	030·5	030·6	030·5	030·2	030·3	030·2	030·2	030·3	030·1	029·7	029·5	029·2	029·0	028·8	028·4	028·3	028·3	028·3	028·3	028·2	028·2	028·1	029·5
12	027·9	027·7	027·4	027·1	026·9	027·0	027·0	026·9	027·0	027·2	027·1	026·6	026·5	026·3	026·0	025·9	025·9	025·7	025·6	025·5	025·2	024·9	024·7	024·4	026·4
13	023·9	023·3	023·1	022·6	022·3	022·2	022·2	022·3	022·3	022·5	022·7	022·5	022·2	022·1	021·9	021·8	021·9	022·0	022·0	021·9	022·0	021·8	021·7	021·5	022·3
14	021·2	020·8	020·5	020·4	020·2	020·2	020·3	020·2	020·3	020·5	020·2	019·4	019·0	018·8	018·5	018·7	018·5	018·7	018·8	018·7	018·7	018·7	018·9	018·8	019·6
15	018·8	018·8	018·6	018·6	018·6	018·6	018·9	019·0	019·3	019·4	019·2	018·8	018·3	017·9	017·6	017·5	017·4	017·0	017·1	017·1	016·6	016·4	016·1	015·9	018·0
16	015·4	015·2	014·7	014·0	013·2	012·5	011·8	011·6	011·2	011·2	010·9	010·2	010·0	009·9	010·3	010·5	010·6	010·4	010·3	010·1	009·2	008·4	008·0	007·3	011·3
17	006·5	006·1	005·6	005·5	005·4	005·3	005·6	006·2	006·4	006·5	006·3	005·9	005·4	004·8	004·2	003·1	001·9	000·7	999·6	998·3	997·3	996·0	995·3	994·1	003·3
18	992·9	992·7	992·3	991·7	991·9	992·0	992·2	992·6	993·1	993·4	994·2	994·1	993·5	993·4	993·5	994·0	994·0	994·0	993·9	993·8	993·2	992·6	992·0	991·3	993·1
19	991·0	990·9	991·1	990·9	990·6	990·5	990·7	991·0	991·4	991·8	992·1	992·4	992·6	992·5	992·5	992·7	993·3	993·4	993·3	993·0	992·9	992·5	991·3	990·3	991·9
20	988·7	987·0	984·7	981·3	978·6	976·1	973·6	971·4	971·5	973·6	977·0	979·5	981·0	982·8	984·6	986·3	987·7	988·8	989·6	990·7	991·7	992·6	993·9	994·7	983·5
21	995·8	996·8	997·6	998·8	999·8	000·5	001·5	002·3	003·1	003·5	003·6	003·1	002·1	001·4	000·9	999·6	998·0	996·5	994·9	993·0	991·7	990·0	989·6	989·6	998·2
22	989·6	989·6	989·9	989·7	989·8	990·6	991·0	991·5	991·5	991·7	992·1	991·6	991·5	991·4	991·2	991·4	991·8	992·1	992·5	992·6	992·7	992·9	992·3	991·8	991·3
23	991·0	990·4	990·0	989·4	989·2	989·7	990·5	991·9	993·1	994·4	995·2	995·6	996·3	996·7	997·8	998·8	999·5	000·0	000·6	001·3	002·3	002·6	003·4	003·6	995·7
24	004·3	005·1	005·6	006·0	006·5	007·2	007·8	008·8	009·5	010·5	011·0	011·1	011·6	012·0	012·5	013·5	013·9	014·7	015·1	015·5	015·6	015·9	015·8	015·9	010·8
25	015·5	015·4	014·6	014·0	013·6	012·8	012·0	011·7	011·2	010·4	009·6	008·4	007·2	006·6	006·0	005·5	005·2	005·1	005·0	005·1	004·9	005·3	005·8	006·1	009·2
26	006·5	006·9	007·3	007·6	008·0	007·9	008·3	008·6	009·2	009·7	009·7	009·5	009·2	009·2	009·2	009·5	009·7	010·0	010·2	010·3	010·4	010·5	010·3	009·9	009·0
27	009·5	009·3	009·0	008·4	007·4	006·6	[illegible]	005·4	004·4	003·7	002·4	001·0	999·5	997·3	996·5	996·7	997·0	998·5	999·0	999·0	999·0	999·0	999·3	999·3	002·5
28	999·3	999·6	000·1	000·7	001·3	002·1	002·6	002·8	003·3	003·8	003·6	003·1	002·1	001·9	001·2	000·5	999·5	998·1	996·4	994·8	992·7	990·3	988·2	986·4	999·2
29	985·5	985·3	984·9	985·1	985·2	985·7	986·2	986·5	986·7	986·6	986·5	986·1	985·4	984·9	984·3	983·3	982·4	982·0	980·2	978·6	976·2	973·7	971·2	970·6	983·0
30	969·9	970·8	971·5	972·2	973·2	974·1	974·7	974·9	975·2	975·4	975·9	975·9	976·4	976·8	977·2	977·4	977·8	978·0	978·0	977·7	977·7	977·9	977·6	977·5	**975·4**
31	977·5	977·5	977·6	977·7	977·9	978·8	979·7	980·8	982·1	983·0	983·9	984·5	985·5	986·5	987·7	989·0	990·4	991·5	993·0	994·2	995·2	996·7	998·0	998·9	985·7
Mean (Station level)	1009 ·73	1009 ·70	1009 ·58	1009 ·45	1009 ·42	1009 ·43	1009 ·55	1009 ·75	1009 ·98	1010 ·31	**1010 ·47**	1010 ·25	1010 ·00	1009 ·85	1009 ·82	1009 ·88	1009 ·92	1009 ·98	1009 ·97	1009 ·87	1009 ·72	1009 ·51	1009 ·41	**1009 ·26**	1009 ·70
Mean (Sea level)	1011 ·01	1010 ·98	1010 ·86	1010 ·74	1010 ·70	1010 ·71	1010 ·84	1011 ·03	1011 ·27	1011 ·59	**1011 ·75**	1011 ·53	1011 ·27	1011 ·13	1011 ·10	1011 ·16	1011 ·20	1011 ·26	1011 ·25	1011 ·15	1011 ·00	1010 ·79	1010 ·69	**1010 ·54**	1011 ·07
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

PRESSURE AT STATION LEVEL AND AT SEA LEVEL.

ANNUAL MEANS OF HOURLY VALUES.

From readings in millibars at exact hours, Greenwich Mean Time.

380. Richmond (Kew Observatory) : H_b = 10·4 metres. **1922.**

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level	mb. 013·40	mb. 013·27	mb. 013·13	mb. 013·04	mb. 013·08	mb. 013·17	mb. 013·33	mb. 013·47	mb. 013·55	**013·57**	mb. 013·54	mb. 013·38	mb. 013·17	mb. 013·00	mb. 012·87	**012·82**	mb. 012·85	mb. 012·98	mb. 013·16	mb. 013·33	mb. 013·49	mb. 013·50	mb. 013·51	mb. 013·46	mb. 013·25
Sea Level...	014·68	014·55	014·41	014·32	014·36	014·45	014·61	014·75	014·82	**014·84**	014·80	014·64	014·43	014·25	014·13	**014·08**	014·11	014·25	014·42	014·60	014·76	014·77	014·79	014·74	014·52

PRESSURE AT STATION LEVEL: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

381. Richmond (Kew Observatory) : H_b = 10·4 metres. **1922.**

Month	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Jan.	1008·64	+0·17	+0·14	+0·10	−0·02	−0·07	−0·14	−0·03	+0·16	+0·32	**+0·40**	+0·37	+0·11	−0·25	**−0·37**	−0·36	−0·34	−0·28	−0·25	−0·12	−0·05	+0·02	+0·07	+0·16	+0·23
Feb.	1011·74	+0·11	−0·10	−0·33	−0·57	**−0·59**	−0·45	−0·21	+0·06	+0·35	+0·45	**+0·60**	+0·49	+0·14	−0·15	−0·28	−0·40	−0·29	−0·02	+0·12	+0·21	+0·29	+0·22	+0·20	+0·19
Mar.	1010·60	+0·49	+0·20	−0·15	−0·31	−0·41	**−0·47**	−0·32	−0·27	−0·28	−0·19	−0·05	−0·03	−0·13	−0·29	−0·40	−0·45	−0·29	−0·03	+0·24	+0·43	+0·60	+0·69	**+0·74**	+0·68
April	**1006·69**	−0·16	−0·28	−0·36	−0·38	−0·17	+0·15	+0·40	+0·55	**+0·60**	+0·58	+0·45	+0·27	+0·08	−0·15	−0·35	−0·42	**−0·46**	−0·31	−0·13	+0·08	+0·10	+0·01	−0·01	−0·06
May	1018·75	+0·33	+0·22	+0·19	+0·15	+0·25	+0·44	**+0·52**	+0·50	+0·45	+0·34	+0·22	+0·01	−0·19	−0·44	−0·71	−0·79	**−0·91**	−0·86	−0·63	−0·28	+0·13	+0·30	+0·39	+0·40
June	1014·79	+0·30	+0·19	+0·10	+0·07	+0·13	+0·26	+0·36	+0·43	+0·35	+0·23	+0·15	+0·01	−0·14	−0·37	−0·58	−0·75	**−0·81**	−0·71	−0·55	−0·23	+0·24	+0·41	**+0·48**	+0·42
July	1012·14	+0·17	−0·11	**−0·29**	**−0·29**	−0·19	−0·10	0·00	+0·06	+0·02	−0·08	−0·06	−0·08	−0·08	−0·06	−0·14	−0·18	−0·24	−0·20	−0·06	+0·12	+0·40	+0·48	**+0·49**	+0·41
Aug.	1013·19	+0·04	−0·07	−0·20	−0·24	−0·21	+0·01	+0·23	+0·34	**+0·38**	+0·37	+0·28	+0·13	+0·02	−0·08	−0·18	−0·25	−0·47	**−0·58**	−0·31	−0·04	+0·12	+0·22	+0·28	+0·23
Sept.	1014·29	−0·14	−0·26	−0·33	−0·36	−0·25	−0·09	+0·15	+0·33	+0·52	**+0·55**	+0·39	+0·26	+0·07	−0·08	−0·29	−0·38	**−0·38**	−0·30	−0·07	+0·17	+0·25	+0·14	+0·10	−0·01
Oct.	1016·45	+0·03	−0·08	−0·25	−0·32	−0·22	−0·16	0·00	+0·30	+0·43	**+0·45**	+0·35	+0·13	−0·12	−0·36	−0·45	**−0·47**	−0·36	−0·07	+0·08	+0·17	+0·31	+0·31	+0·23	+0·12
Nov.	**1021·97**	+0·36	+0·29	+0·07	−0·05	−0·13	−0·17	−0·02	+0·16	+0·19	+0·21	+0·05	−0·25	−0·52	−0·76	**−0·83**	−0·70	−0·42	−0·12	+0·19	+0·35	+0·54	+0·49	**+0·56**	+0·54
Dec.	1009·80	−0·39	−0·39	−0·49	−0·58	**−0·59**	−0·55	−0·39	−0·17	+0·09	+0·45	**+0·64**	+0·45	+0·23	+0·12	+0·11	+0·20	+0·27	+0·35	+0·37	+0·31	+0·18	+0·01	−0·06	−0·19
Year	1013·25	+0·11	−0·02	−0·16	−0·24	−0·20	−0·11	+0·06	+0·20	+0·20	**+0·31**	+0·28	+0·13	−0·07	−0·25	−0·37	**−0·41**	−0·39	−0·26	−0·07	+0·10	+0·27	+0·28	+0·30	+0·25

ABSOLUTE EXTREMES OF PRESSURE AT STATION LEVEL FOR EACH DAY.

Maximum and Minimum for the interval 0h. to 24h., Greenwich Mean Time.

382. Richmond (Kew Observatory) : H_b = 10·4 metres. **1922.**

Month	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	029·2	015·1	011·0	999·9	002·0	995·6	011·7	000·9	010·2	005·6	018·0	010·6	018·2	007·4	018·3	016·3	007·2	004·6	018·7	017·1	016·2	990·4	020·7	015·4
2	015·1	008·5	010·5	989·1	022·2	005·9	011·7	999·7	012·4	005·5	011·6	007·9	010·8	005·4	019·7	018·1	015·6	007·0	019·4	017·4	010·0	002·6	024·8	019·6
3	013·9	009·0	993·0	**987·3**	020·9	015·2	999·7	**983·2**	012·6	007·9	022·4	011·6	013·8	007·4	019·5	018·0	021·4	015·6	017·5	015·8	007·3	993·8	030·1	024·8
4	013·5	010·7	011·4	993·0	017·4	012·4	006·6	985·5	012·9	009·4	**024·1**	020·5	013·6	006·6	018·2	014·3	023·5	021·3	015·9	012·8	016·5	994·2	**031·2**	029·6
5	014·7	011·8	026·0	011·4	016·8	004·2	006·9	005·5	024·2	007·8	022·2	019·0	008·4	988·5	015·6	013·3	024·3	022·5	012·8	007·7	018·3	003·1	030·9	021·4
6	013·2	009·6	028·7	026·0	007·0	999·7	013·5	006·5	032·2	024·2	019·9	016·7	009·9	**982·3**	013·5	002·1	027·0	023·9	022·5	008·2	003·1	**987·0**	027·1	021·8
7	012·5	009·2	027·3	024·5	999·7	994·2	012·3	000·2	**033·7**	031·7	017·5	013·6	017·5	009·9	006·6	000·4	028·0	025·6	**025·8**	022·4	009·5	989·9	027·7	018·6
8	012·1	003·1	024·8	023·5	997·9	**968·5**	008·5	999·8	031·7	026·7	013·9	011·5	016·8	999·6	006·6	002·0	**028·5**	026·4	025·7	024·2	012·9	006·1	022·6	018·1
9	016·6	011·0	026·1	024·1	003·6	997·9	014·9	008·5	029·0	021·0	012·0	008·9	014·5	996·6	016·7	003·7	026·9	023·2	024·3	020·4	023·2	012·9	025·1	022·4
10	029·2	016·6	**031·1**	025·9	023·3	003·6	014·0	999·2	021·3	019·1	014·2	009·8	022·3	014·5	022·8	016·7	023·4	019·9	020·4	016·4	022·0	010·4	030·7	025·0
11	**029·3**	020·1	031·0	022·3	027·4	023·3	000·7	997·2	019·1	011·2	021·4	014·1	**024·2**	022·0	023·2	021·1	021·2	011·4	016·4	014·5	027·2	013·3	030·7	028·1
12	026·0	023·5	022·4	010·3	**028·9**	026·3	001·2	989·6	015·1	009·6	021·6	017·7	**024·2**	019·0	021·1	012·2	011·4	983·7	022·1	016·3	031·4	027·1	028·1	024·4
13	024·2	016·5	019·3	010·9	**028·9**	025·4	002·9	992·6	021·4	015·1	018·0	014·8	019·0	007·2	014·2	010·9	983·7	**981·9**	023·5	022·0	033·0	031·2	024·5	021·5
14	017·7	013·7	022·6	019·3	025·5	021·3	000·5	993·5	022·3	019·5	016·7	013·5	007·2	000·7	014·0	011·7	998·2	983·2	022·7	020·1	036·7	032·8	021·5	018·4
15	017·4	**981·6**	021·5	008·6	024·6	022·9	001·2	993·8	021·2	016·4	017·6	012·0	005·8	000·5	020·0	013·3	019·9	998·2	020·2	015·9	042·0	036·6	019·5	015·9
16	991·1	981·9	009·0	004·7	024·8	023·3	016·9	000·4	016·9	009·1	018·1	016·1	010·6	005·5	019·9	015·5	020·2	011·3	016·0	014·9	**042·4**	038·2	015·9	007·3
17	007·5	991·1	005·0	001·9	023·4	018·8	030·3	016·9	009·1	**004·1**	019·6	016·7	015·2	010·5	017·9	011·4	016·1	008·8	018·4	014·9	038·2	029·0	007·3	994·1
18	008·7	002·1	007·3	998·7	018·8	014·2	**030·4**	028·8	018·8	008·4	022·1	019·3	017·1	009·4	023·1	017·9	026·5	016·1	020·5	018·3	029·0	023·7	994·4	991·3
19	002·1	998·2	008·6	997·7	015·3	011·6	029·7	027·1	025·0	017·6	022·9	020·9	020·2	017·0	**025·0**	023·0	026·0	014·5	020·3	017·1	026·1	024·9	993·4	990·3
20	008·3	000·1	007·5	001·0	012·8	010·8	027·8	022·2	027·4	024·0	023·1	021·5	020·1	015·0	023·1	019·6	025·1	014·1	017·1	013·5	029·2	024·4	994·7	971·0
21	012·2	005·1	004·1	995·3	018·5	012·4	022·9	013·9	024·1	014·5	023·4	020·2	015·0	010·7	019·6	012·2	025·1	021·9	016·9	014·4	031·7	029·0	003·7	989·6
22	021·8	012·2	004·8	998·5	018·2	013·5	013·9	008·4	014·5	010·4	021·3	012·6	011·4	006·8	012·3	005·6	022·0	018·6	016·7	013·2	032·1	031·0	993·0	989·4
23	021·9	018·3	017·7	004·7	013·5	011·8	011·1	003·7	012·3	010·6	012·6	007·7	006·8	003·2	013·8	003·3	021·4	012·5	017·1	012·4	032·5	031·3	003·6	989·1
24	018·3	005·4	023·5	017·7	012·2	989·5	005·8	000·2	016·3	012·2	013·5	006·1	018·1	003·9	013·9	004·1	012·7	010·1	021·5	017·1	039·4	032·4	016·0	003·6
25	005·4	998·1	023·0	010·5	989·5	984·3	007·1	987·1	021·2	015·9	006·1	004·0	020·9	018·0	017·9	004·4	012·5	003·8	021·5	016·5	040·4	032·4	015·9	004·8
26	009·4	002·6	010·7	002·2	997·5	985·8	993·3	986·3	026·1	020·8	006·0	**000·3**	020·7	017·5	021·1	017·1	003·8	998·2	019·8	010·1	032·4	019·4	010·5	006·1
27	008·9	992·0	011·5	004·3	001·7	997·3	999·2	993·3	028·4	026·1	007·9	003·6	019·2	016·7	017·1	009·3	003·8	997·8	013·5	007·9	030·2	026·2	009·9	996·3
28	997·3	992·1	009·4	998·0	018·1	001·7	009·1	999·2	029·7	026·8	007·4	003·7	021·7	019·0	009·0	006·8	012·5	003·8	018·3	013·4	029·4	020·5	003·8	986·4
29	997·2	990·4	—	—	018·2	014·7	011·2	009·1	029·2	027·2	017·4	007·4	020·8	013·8	009·1	000·7	023·5	012·5	017·0	998·1	024·5	019·1	986·8	970·5
30	996·3	991·7	—	—	014·7	002·1	010·6	009·5	029·6	024·8	018·7	017·3	014·3	012·5	000·7	**995·7**	024·6	017·5	005·9	**996·8**	026·3	020·7	978·1	**969·4**
31	999·9	993·6	—	—	003·1	000·4	—	—	024·8	017·7	—	—	016·4	013·3	005·0	000·1	—	—	017·9	005·9	—	—	998·9	977·4
Mean	1012 ·61	1004 ·35	1016 ·00	1007 ·55	1014 ·40	1006 ·73	1010 ·85	1002 ·06	1021 ·70	1016 ·16	1017 ·04	1012 ·65	1015 ·06	1008 ·40	1016 ·08	1010 ·35	1017 ·87	1010 ·33	1018 ·05	1014 ·05	1026 ·44	1017 ·79	1013 ·58	1005 ·21

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

383. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

January, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	77·2	77·0	77·6	79·3	79·6	80·1	80·8	81·4	81·9	82·0	82·8	84·1	84·6	84·9	84·8	84·9	84·9	84·9	84·8	84·7	84·9	85·1	85·2	85·2	82·4
2	85·4	85·5	85·4	85·4	85·3	85·1	85·3	85·5	85·9	86·2	86·6	86·9	86·3	86·6	85·2	85·0	83·2	82·2	81·8	81·0	80·6	80·4	80·0	79·5	84·3
3	79·4	78·9	78·9	78·6	78·2	78·0	77·0	76·8	77·0	77·0	77·4	77·5	78·0	78·3	78·0	77·6	76·6	76·7	76·0	75·1	75·3	74·9	74·5	74·2	77·2
4	74·0	74·0	74·0	73·9	73·7	73·6	73·6	73·4	73·7	74·0	74·9	75·2	75·3	75·5	75·3	75·1	74·7	74·1	73·9	73·6	73·5	74·0	74·1	73·7	74·2
5	73·4	73·4	73·5	73·6	73·4	73·3	73·4	73·2	73·2	74·0	74·8	75·5	75·8	75·5	75·6	75·7	75·2	75·0	74·2	74·1	74·0	74·1	74·5	74·5	74·3
6	74·3	74·2	73·7	73·6	73·6	73·9	74·0	74·0	75·0	75·7	76·5	77·1	77·7	77·9	77·7	77·4	77·0	76·4	76·1	76·0	76·0	75·6	75·2	75·5	75·6
7	75·5	75·4	75·1	74·5	74·1	74·5	75·0	75·7	76·6	77·0	77·1	77·9	78·4	78·8	79·0	79·4	79·5	79·6	79·6	79·6	79·3	78·8	77·9	76·8	77·3
8	76·4	76·4	76·1	76·7	76·9	78·4	79·9	80·9	82·0	83·0	83·9	85·0	84·4	84·0	83·1	82·8	81·6	80·9	80·1	80·5	80·9	81·0	81·3	81·1	80·6
9	81·1	81·1	81·0	81·6	82·8	83·9	84·2	84·8	84·9	84·8	85·0	85·5	85·9	86·0	86·0	85·9	85·8	85·3	85·0	85·1	85·0	85·0	85·0	85·0	**84·3**
10	85·1	84·7	84·6	84·1	83·6	83·2	82·9	82·7	82·6	82·6	82·6	82·4	83·2	83·6	83·0	82·1	81·0	80·0	79·6	79·1	78·9	78·0	77·5	76·9	82·0
11	76·9	76·3	76·2	75·9	75·7	76·0	75·5	75·6	76·1	77·1	78·5	80·1	80·4	80·3	80·1	80·1	79·6	79·7	76·1	76·9	77·1	76·2	75·5	75·1	77·4
12	74·8	74·8	75·0	74·6	74·7	75·0	75·1	74·6	75·7	76·4	77·1	78·0	78·7	79·2	79·0	78·1	77·2	76·6	75·8	75·3	74·6	73·1	73·3	72·9	75·9
13	72·8	72·2	71·6	71·5	71·5	71·1	70·7	70·0	70·3	70·6	71·1	71·1	71·6	72·0	72·2	71·6	71·2	71·6	71·1	71·6	72·4	73·1	73·5	73·7	71·7
14	74·2	74·7	75·1	75·6	75·7	75·3	75·0	74·4	74·3	75·1	75·9	76·6	76·6	76·9	76·5	76·0	76·0	75·2	74·1	74·6	75·1	74·1	75·0	75·1	75·3
15	74·7	74·4	74·0	73·2	73·0	72·6	72·7	72·7	73·0	73·3	73·7	74·2	74·9	74·7	74·7	74·0	73·5	73·5	73·6	73·8	74·1	74·5	76·1	75·6	73·9
16	75·0	75·4	76·2	76·3	76·1	76·1	76·1	75·8	75·6	76·1	76·9	77·4	78·0	77·9	77·5	77·0	76·4	75·8	75·2	74·9	74·5	74·5	74·4	74·4	76·0
17	74·1	74·1	74·7	74·1	74·3	74·1	74·1	74·6	74·5	74·1	74·7	75·3	76·0	75·9	76·0	75·4	74·6	74·0	73·9	73·4	73·1	72·6	72·1	72·0	74·3
18	71·8	71·3	71·0	70·9	71·0	70·6	70·5	70·0	71·7	74·2	75·3	76·9	77·9	78·4	78·6	78·5	78·0	78·1	78·6	78·7	78·8	79·2	79·7	79·8	75·2
19	80·0	80·0	80·3	80·4	80·1	80·5	80·4	80·2	80·5	80·8	81·1	80·8	80·9	81·4	81·2	81·0	80·7	80·2	80·0	79·8	79·5	78·9	78·4	78·0	80·3
20	77·9	77·6	77·4	77·1	77·2	76·8	76·8	76·1	75·1	75·4	75·6	76·6	77·2	78·4	80·5	79·6	78·2	78·1	77·3	77·0	77·9	77·2	77·8	78·1	77·4
21	78·7	78·9	78·2	78·3	78·4	78·6	78·7	78·9	78·9	78·9	79·1	79·6	80·0	80·2	80·6	80·9	80·9	81·0	81·4	81·5	81·6	81·3	80·9	80·0	79·8
22	79·3	78·9	77·0	76·7	75·7	75·6	75·2	74·5	74·6	74·6	75·0	76·8	79·1	80·7	81·1	79·0	76·4	74·0	73·7	76·1	76·4	75·8	76·6	77·0	76·7
23	77·3	77·0	76·6	77·0	77·1	77·6	77·8	77·7	77·1	77·0	76·4	76·2	75·7	75·3	75·2	75·0	74·9	74·8	74·7	74·7	74·7	75·0	74·7	74·3	76·0
24	74·2	73·9	73·6	73·0	72·4	72·0	71·4	71·2	71·1	70·9	70·6	70·5	70·3	70·1	70·1	69·9	70·0	70·2	70·5	70·7	70·7	70·4	71·0	71·6	**71·3**
25	72·2	72·9	73·5	73·6	73·7	73·9	74·0	74·1	74·3	75·0	76·0	77·5	77·8	78·3	78·4	78·8	79·5	80·7	81·3	81·9	82·2	82·3	82·0	82·0	77·1
26	82·1	81·9	81·6	81·6	81·5	81·6	81·4	80·9	81·2	81·5	81·9	82·7	82·9	82·8	81·5	80·9	79·9	79·0	78·5	78·4	78·1	77·9	77·8	77·4	80·7
27	77·3	77·3	77·3	77·2	77·1	77·2	77·2	77·4	77·7	78·0	78·3	78·9	79·3	80·1	80·0	79·9	79·9	79·5	79·5	79·1	79·0	78·9	78·9	78·9	78·5
28	78·9	78·9	78·9	79·3	78·9	78·7	78·5	78·5	79·8	81·0	81·9	82·5	83·1	83·3	82·9	81·9	81·4	81·1	80·9	80·8	80·9	81·0	80·8	80·9	80·6
29	80·7	80·0	80·5	80·1	79·9	79·8	79·6	79·0	78·8	79·8	81·6	82·2	82·8	82·7	82·4	81·8	81·0	80·3	80·7	80·7	80·1	79·1	79·0	78·9	80·5
30	78·9	78·8	78·5	78·7	78·6	78·3	78·1	78·5	78·6	79·2	80·1	81·4	81·8	82·1	81·4	81·5	81·5	81·2	81·2	81·0	80·4	80·2	79·4	78·8	79·9
31	77·6	77·2	77·9	77·4	77·1	78·5	79·1	79·3	79·5	79·6	80·4	81·1	82·5	82·1	81·2	81·2	81·1	80·9	80·4	80·0	79·1	78·3	78·4	76·8	79·5
Mean ...	77·1	77·0	76·9	76·9	**76·8**	76·9	76·9	76·9	77·1	77·6	78·1	78·8	79·3	**79·5**	79·3	79·0	78·4	78·1	77·7	77·7	77·7	77·4	77·4	77·2	77·7

384. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

February, 1922.

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	74·9	73·8	73·6	73·4	73·7	75·0	76·0	76·6	77·2	78·4	79·7	80·4	81·0	81·5	81·1	80·3	79·1	77·9	77·4	77·0	76·3	76·6	75·9	75·2	77·2
2	75·8	77·5	78·4	78·9	79·1	79·3	79·3	79·5	79·9	80·1	81·0	81·7	82·5	83·3	83·9	84·2	82·4	81·8	81·9	82·1	82·1	82·6	82·8	82·9	80·8
3	83·0	82·9	82·8	82·8	82·4	82·5	82·6	82·5	82·1	82·0	82·1	82·1	82·9	84·0	83·8	83·7	82·8	82·1	82·1	82·0	82·0	82·1	82·0	82·0	82·3
4	81·6	81·3	80·9	80·8	80·4	80·2	80·5	77·9	76·3	75·5	74·9	74·0	74·1	74·3	74·2	73·8	73·3	73·4	73·3	73·3	72·9	73·2	73·2	73·2	76·3
5	73·0	72·8	72·6	72·3	72·3	72·2	72·3	72·4	72·3	72·3	72·4	72·6	73·1	73·0	73·1	73·0	72·8	72·3	72·2	71·7	71·3	71·1	71·4	70·9	**72·4**
6	70·5	70·7	71·1	71·0	71·1	71·2	71·1	71·5	71·9	72·6	73·4	74·1	74·8	75·0	75·0	74·3	73·8	73·2	73·0	72·3	72·7	72·2	72·3	72·3	72·5
7	71·1	70·6	70·1	70·3	71·1	71·1	72·4	73·1	73·2	74·2	75·3	75·9	76·2	76·2	75·7	75·2	74·6	73·9	73·6	73·4	73·1	72·7	72·5	72·2	73·2
8	72·4	72·1	72·0	71·8	71·3	71·1	71·0	71·3	71·9	73·6	76·0	76·8	77·6	78·1	78·1	77·8	76·5	75·7	74·9	74·5	74·8	74·4	74·1	74·1	74·2
9	73·4	73·0	72·9	72·3	72·3	72·6	72·5	73·1	73·9	75·1	76·6	77·5	78·6	78·8	79·0	78·2	77·5	76·9	76·2	75·9	75·8	75·3	75·0	75·1	75·3
10	74·8	74·5	74·1	73·9	73·7	73·3	73·4	73·3	74·1	75·4	77·0	77·5	78·9	79·1	79·3	78·8	77·9	77·2	76·1	75·9	75·3	74·9	74·5	74·0	75·7
11	73·5	72·9	73·3	73·1	73·0	72·6	72·3	72·2	73·2	75·1	76·5	78·1	78·6	79·1	79·1	78·2	77·4	76·6	76·1	75·2	74·7	74·3	74·1	73·9	75·1
12	73·8	73·1	73·2	72·8	72·0	71·5	71·4	71·3	72·0	72·9	73·4	73·7	74·4	74·5	74·7	74·4	74·0	74·2	74·2	74·1	74·3	74·6	75·0	74·8	73·5
13	74·5	74·7	75·2	75·1	74·3	74·2	74·4	75·6	76·6	78·0	78·4	78·0	78·1	78·5	79·0	78·9	77·9	76·4	74·8	74·6	73·5	73·7	73·7	72·8	75·9
14	72·6	72·4	71·9	71·6	71·3	71·1	71·0	70·5	72·2	73·4	75·1	77·0	78·4	78·4	78·1	77·9	77·2	76·9	76·3	76·0	76·0	75·9	75·6	75·7	74·6
15	75·9	75·9	76·1	76·1	76·5	76·6	77·0	77·8	78·5	79·0	79·1	79·3	79·5	79·9	80·0	80·2	80·0	80·1	80·2	79·9	79·7	79·4	79·0	78·9	78·5
16	78·7	78·6	78·6	78·4	78·8	78·8	78·9	79·4	79·9	80·9	82·0	82·9	83·6	83·9	83·6	83·5	83·5	83·2	83·1	83·1	83·3	83·3	83·2	83·1	81·4
17	82·0	82·9	82·8	82·8	82·6	82·4	82·7	82·9	83·2	83·6	83·6	84·1	84·3	82·2	82·8	82·8	81·7	81·2	80·5	79·6	79·3	78·3	77·9	77·4	82·0
18	77·1	76·7	76·9	77·8	77·4	77·2	76·8	76·4	77·0	77·7	78·5	79·4	79·8	80·2	80·1	79·9	79·6	78·0	77·0	76·1	75·7	75·3	75·0	75·0	77·6
19	74·4	74·0	74·0	74·2	74·1	74·5	74·6	75·3	76·4	76·8	77·4	78·5	79·7	80·5	81·1	82·1	82·6	82·7	82·9	83·0	82·5	81·5	81·2	79·9	78·4
20	78·9	77·9	77·7	77·7	77·5	77·0	76·2	76·0	76·9	78·0	78·7	80·1	80·9	80·6	80·8	80·9	80·0	78·7	78·9	77·3	77·1	77·5	77·5	78·5	78·4
21	79·0	79·5	79·9	80·0	80·0	80·1	80·4	80·4	79·2	78·9	80·5	81·6	82·5	82·9	83·0	81·4	80·2	79·1	77·3	75·1	75·9	76·1	75·8	75·1	79·4
22	75·1	75·1	75·0	75·0	75·2	75·9	76·1	78·0	78·4	79·1	80·5	81·4	81·9	82·9	82·8	82·9	82·0	81·5	80·9	80·9	80·7	81·3	82·2	82·6	79·3
23	82·7	82·5	82·7	82·9	83·1	83·0	83·0	83·5	83·9	84·4	85·2	86·2	86·8	86·9	86·2	85·9	85·4	85·0	84·9	84·8	84·8	84·5	84·5	84·4	84·4
24	84·2	84·2	84·2	84·2	84·2	84·3	84·3	84·4	84·7	84·9	85·5	86·2	86·5	85·7	85·5	85·1	84·9	84·9	84·5	84·0	83·5	83·0	82·3	82·1	**84·5**
25	82·0	82·0	81·9	81·1	81·0	81·0	81·8	82·3	83·5	84·9	86·0	86·6	87·0	87·1	87·4	87·4	86·1	85·0	84·1	83·7	84·0	83·9	84·0	83·9	84·0
26	82·9	82·0	81·3	81·3	82·0	82·1	82·3	82·3	83·0	83·9	84·9	84·1	84·0	83·9	83·6	83·6	83·5	83·4	83·0	83·0	82·4	82·1	81·3	80·7	82·8
27	79·9	79·9	79·9	79·6	79·7	79·1	78·4	78·8	80·0	81·3	82·5	83·9	84·4	84·7	84·1	83·5	83·3	83·0	82·7	83·0	82·8	82·9	83·0	82·5	81·8
28	82·1	81·8	82·2	82·9	82·9	82·4	80·4	80·9	82·0	83·0	83·4	84·5	85·0	84·5	84·9	84·3	83·5	82·6	82·3	82·2	82·0	82·0	81·9	83·0	82·8
Mean ...	77·2	77·0	77·0	76·9	76·9	**76·9**	76·9	77·1	77·6	78·4	79·3	79·9	80·5	80·7	**80·7**	80·4	79·8	79·2	78·7	78·3	78·2	78·0	77·9	77·2	78·4
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

385. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

March, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	84·3	84·4	84·6	84·3	83·6	83·1	82·0	81·1	81·0	81·6	82·2	84·0	83·1	83·8	82·0	80·4	81·4	81·0	80·9	80·8	80·1	78·4	78·3	78·0	82·0
2	77·9	77·7	77·8	78·2	78·0	77·6	77·7	78·3	80·0	80·9	81·1	81·3	82·1	82·5	82·0	82·5	81·7	80·7	79·5	78·7	78·0	78·3	78·8	79·5	79·6
3	80·3	81·0	81·2	81·4	81·8	82·0	82·4	83·0	83·7	84·3	84·9	86·0	85·8	85·8	85·9	86·0	85·9	85·5	85·2	84·9	84·9	84·8	84·6	84·7	**83·9**
4	84·6	84·7	84·5	84·3	84·1	83·9	83·9	83·9	84·3	84·1	84½	84·6	84·8	82·3	82·0	83·0	83·4	82·3	81·4	80·4	79·7	79·1	79·7	80·0	83·0
5	79·8	79·5	79·9	80·9	81·6	82·0	82·1	82·1	82·9	83·0	83·5	84·0	84·3	84·8	85·3	85·4	85·0	85·1	85·4	85·1	84·9	85·1	84·5	84·5	83·3
6	84·3	84·5	84·6	82·0	81·6	81·7	81·7	82·0	82·3	83·1	84·0	84·6	85·0	85·5	85·2	84·6	84·0	83·0	83·1	83·3	83·1	82·8	82·1	82·4	83·4
7	82·6	82·6	82·3	82·3	81·1	80·9	80·4	81·0	80·5	80·5	80·6	81·6	82·0	80·7	78·9	80·4	80·5	79·6	79·1	78·5	78·0	78·6	78·9	79·0	80·5
8	79·1	79·1	79·7	79·5	78·9	79·3	79·9	79·1	79·9	79·2	79·5	77·1	78·4	80·7	81·3	81·7	81·5	79·7	79·6	79·5	77·9	78·1	78·0	77·9	79·4
9	77·8	78·0	77·2	76·7	76·7	76·2	76·4	77·0	78·6	79·6	81·0	81·5	82·2	82·6	83·1	83·2	83·0	81·1	79·9	79·3	78·0	77·0	75·8	74·6	79·1
10	74·1	74·5	75·1	75·9	76·0	76·1	76·4	76·6	77·1	77·9	78·1	78·8	78·6	79·1	79·2	79·3	78·6	77·7	76·7	76·1	75·3	75·0	74·3	74·6	76·7
11	74·5	74·5	73·6	73·3	73·2	73·1	72·7	73·5	75·1	77·4	78·2	79·8	80·9	81·9	82·2	82·4	82·0	81·0	79·6	77·9	77·8	78·0	78·1	78·1	77·4
12	78·1	78·0	77·3	77·0	76·8	76·6	76·1	76·9	78·4	79·6	81·0	81·8	83·0	84·0	84·1	83·7	83·0	81·6	80·4	79·9	79·9	79·8	79·0	78·8	79·8
13	78·9	79·0	79·7	79·7	79·2	79·0	79·4	79·1	79·0	79·0	78·6	78·7	78·9	79·0	79·1	79·1	78·9	77·9	77·4	77·1	77·0	77·2	77·5	77·8	78·6
14	77·9	77·9	77·9	77·5	77·5	77·3	77·2	77·5	78·4	79·2	81·4	82·7	83·1	83·6	82·9	82·6	81·7	80·5	80·0	79·9	80·0	80·0	80·1	80·0	79·8
15	79·5	79·0	78·5	78·9	79·1	78·7	78·3	78·0	78·0	78·3	78·8	79·0	79·4	79·6	79·8	80·1	80·0	80·0	79·7	79·0	79·0	78·7	78·7	79·1	79·1
16	79·1	79·1	79·1	79·0	78·7	78·1	76·9	77·0	78·2	79·4	79·5	79·8	80·0	80·1	80·2	80·4	80·4	80·2	79·7	79·3	79·1	79·3	78·9	78·3	79·2
17	78·0	77·9	77·3	77·4	77·4	77·2	77·4	77·5	77·6	77·5	77·2	77·6	78·5	79·1	79·7	79·7	78·9	78·3	78·1	77·7	77·7	77·8	78·0	78·0	78·0
18	77·9	78·0	78·1	77·7	77·5	77·3	77·3	77·7	78·6	79·2	79·9	80·3	81·5	82·1	82·7	82·6	81·6	80·3	79·6	79·1	78·4	77·9	78·0	78·0	79·2
19	78·1	78·0	78·1	78·2	78·3	78·1	78·1	78·3	78·2	78·4	78·8	79·0	79·3	79·4	79·3	79·1	78·4	77·6	77·4	77·3	76·8	76·7	76·9	76·5	78·1
20	76·9	77·0	76·8	77·0	77·0	76·9	76·9	77·2	76·8	77·1	77·8	77·6	77·4	77·1	76·9	77·0	76·6	75·5	75·1	74·6	73·9	73·9	74·0	73·8	76·3
21	73·2	73·1	72·8	72·3	72·4	72·2	72·6	73·4	74·1	75·0	76·1	76·3	75·8	76·4	77·3	76·0	75·2	74·7	74·1	73·5	73·4	73·0	73·1	73·1	**74·1**
22	73·2	73·2	73·1	73·0	73·1	73·2	73·1	73·4	73·7	73·9	74·5	75·0	75·7	76·0	76·2	75·8	75·7	75·0	74·1	73·8	73·7	73·5	73·5	73·0	**74·1**
23	72·9	72·8	72·9	72·4	72·5	72·4	72·9	74·0	75·0	76·0	76·9	77·7	78·0	78·7	79·1	78·3	77·4	77·0	75·5	75·6	75·4	75·0	75·0	74·9	75·3
24	74·7	74·6	74·3	74·3	74·2	74·0	74·1	74·3	75·6	76·1	77·1	78·8	79·4	79·8	79·7	79·2	78·8	78·1	77·3	77·0	77·0	77·5	77·3	77·5	76·6
25	77·8	78·2	78·1	77·5	77·0	76·9	76·9	77·2	78·1	78·6	79·2	80·5	80·2	81·1	81·6	80·6	79·1	79·0	77·4	76·4	75·6	74·6	74·0	72·3	77·9
26	72·2	72·4	71·2	71·8	71·8	71·1	70·7	71·2	72·7	75·0	77·6	79·5	79·7	79·6	78·5	77·5	77·6	77·6	77·1	77·1	77·0	76·9	76·1	75·1	75·2
27	75·0	74·8	74·9	74·6	74·4	74·6	75·4	76·3	77·6	78·6	78·9	78·8	79·7	79·5	79·4	79·4	77·2	77·1	76·1	75·1	74·6	74·3	74·2	74·4	76·5
28	74·5	75·0	75·1	75·1	75·2	75·1	75·6	76·0	76·9	77·2	79·1	80·1	78·4	80·0	80·0	79·6	79·5	79·0	78·2	77·8	77·1	76·1	75·0	74·5	77·1
29	74·7	75·0	75·1	75·3	75·2	75·0	74·9	75·4	76·8	77·6	78·1	78·7	78·5	78·5	79·0	78·1	78·7	78·1	77·6	77·2	76·7	76·6	76·3	76·1	76·8
30	75·6	75·3	75·1	74·6	74·2	74·4	74·6	75·2	76·2	77·0	77·3	77·0	78·0	78·1	77·9	76·6	75·1	74·7	75·0	75·0	75·2	75·2	74·6	74·5	75·7
31	74·3	74·2	74·6	74·3	74·2	74·2	74·2	74·3	75·6	76·3	76·9	76·9	77·1	76·4	76·9	77·0	76·5	76·0	75·6	75·5	75·1	75·0	74·7	75·0	75·4
Mean ...	77·5	77·5	77·4	77·3	77·2	**77·0**	**77·0**	77·4	78·1	78·7	79·4	80·0	80·3	**80·6**	80·6	80·4	79·9	79·2	78·6	78·1	77·7	77·5	77·3	77·2	78·4

386. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

April, 1922.

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a*
1	74·9	75·0	74·5	74·3	74·1	74·5	74·9	75·1	76·2	77·4	77·5	77·0	77·1	77·2	77·9	78·0	78·2	77·8	77·0	76·8	75·9	75·1	73·9	72·5	76·0
2	71·9	71·6	71·3	71·1	70·1	69·9	71·0	73·0	76·0	77·3	78·7	79·5	80·4	80·0	79·7	80·3	79·9	78·9	77·0	76·2	75·5	74·7	74·9	75·0	75·5
3	75·3	75·1	75·9	76·0	75·7	75·8	75·0	74·9	75·0	74·9	74·9	74·2	74·1	74·5	75·0	74·9	74·7	74·5	74·0	74·4	74·7	74·4	74·5	74·9	**74·9**
4	75·0	75·0	75·1	75·2	74·4	74·5	74·8	75·7	76·3	76·6	78·0	78·8	79·7	80·3	80·5	80·7	80·0	79·0	78·0	76·7	76·2	75·8	74·9	74·0	76·9
5	73·5	73·0	73·0	72·3	72·4	72·7	73·2	75·4	77·0	79·0	80·5	81·0	81·3	82·8	83·1	83·0	82·9	82·3	80·9	80·0	79·0	78·9	78·8	78·1	78·0
6	77·9	77·8	77·1	77·3	77·1	76·2	76·0	76·1	76·9	78·1	79·4	80·3	80·9	81·7	81·9	80·9	81·2	80·0	78·8	78·2	77·3	77·6	76·5	75·8	78·4
7	75·3	75·1	75·2	75·5	75·7	76·3	77·0	78·2	78·8	79·0	78·9	79·0	78·8	78·4	78·0	77·9	77·8	77·8	77·8	77·9	77·8	77·8	77·7	77·5	77·4
8	77·2	77·0	77·1	77·4	77·1	77·0	77·1	77·3	77·8	78·1	78·9	78·8	78·5	79·2	79·8	80·0	80·1	79·9	79·2	76·2	76·2	75·7	75·0	74·1	77·8
9	74·6	74·5	74·0	74·5	74·6	74·9	75·4	75·9	76·8	77·2	77·9	78·0	79·8	80·2	81·0	80·7	79·0	78·0	77·7	77·6	76·9	76·0	75·1	74·9	76·9
10	74·5	74·0	74·1	74·1	74·6	75·0	76·0	77·0	77·9	79·0	80·3	81·3	82·3	83·3	83·1	82·2	81·7	81·8	80·1	79·5	78·9	78·7	78·8	78·4	78·5
11	78·3	78·0	77·2	76·6	76·3	76·2	76·9	78·4	79·6	80·6	81·8	82·9	83·7	83·7	84·0	83·5	83·3	83·0	82·0	81·9	81·6	80·9	80·4	79·9	80·4
12	79·5	79·3	78·0	77·3	77·3	78·3	79·5	81·4	81·9	81·6	82·5	83·3	84·2	84·0	83·9	83·7	83·9	83·8	83·8	83·7	83·7	83·4	82·3	82·0	81·7
13	82·0	81·9	81·5	81·8	81·2	80·1	80·1	80·5	81·0	81·9	83·4	84·1	85·3	85·6	85·4	84·5	82·9	81·9	81·1	81·0	80·8	81·6	84·0	84·5	82·4
14	84·6	84·8	84·9	85·0	85·0	84·9	85·2	86·5	88·0	89·0	89·5	90·9	91·9	92·6	92·4	92·2	91·3	89·8	88·1	87·8	88·2	87·8	87·7	87·0	**88·1**
15	86·3	85·6	85·2	84·8	84·2	83·9	83·9	84·4	85·3	85·3	86·3	86·1	87·0	87·1	87·1	86·1	85·5	84·4	83·4	82·6	82·1	82·0	82·0	81·9	84·8
16	81·9	81·8	81·4	81·1	80·6	80·0	80·4	81·0	81·2	81·4	81·9	83·0	82·1	81·4	80·7	80·0	79·3	78·8	78·9	78·9	78·9	78·9	79·0	79·0	80·5
17	78·4	78·2	78·1	77·2	76·5	76·2	76·7	77·2	78·0	78·7	79·4	78·5	80·0	80·4	79·0	78·6	78·7	79·0	78·5	77·6	77·4	76·7	75·6	75·0	78·0
18	74·6	75·0	75·7	75·0	75·9	76·2	77·0	77·9	78·7	79·6	79·8	80·9	80·1	80·4	81·0	81·2	80·3	79·3	78·9	78·0	78·0	78·1	78·2	78·2	78·2
19	77·8	78·0	78·0	78·0	78·0	78·1	78·6	79·1	80·6	82·3	83·9	85·0	85·7	86·0	85·5	85·4	85·0	84·3	82·8	81·0	79·9	78·4	77·7	76·5	81·1
20	75·6	74·9	74·5	74·1	73·5	72·1	73·1	74·5	77·0	79·8	82·1	83·4	84·5	85·4	85·9	86·0	85·7	86·0	82·9	81·1	80·0	78·9	78·0	78·0	79·4
21	76·9	75·7	75·0	74·1	74·4	74·5	75·5	77·7	78·1	79·4	80·8	82·1	83·6	83·6	84·6	84·9	84·8	84·9	84·5	82·1	80·4	79·2	77·9	76·9	79·7
22	77·1	77·9	78·1	78·4	78·3	78·3	78·8	79·4	79·8	79·9	80·0	80·0	80·2	80·1	79·8	79·7	79·8	79·8	79·3	79·0	78·7	78·5	78·4	78·2	79·0
23	78·0	78·0	77·3	76·6	75·9	76·0	77·3	79·1	80·9	82·7	83·7	84·6	85·6	85·3	84·9	85·0	84·1	84·0	82·7	82·2	82·1	81·6	81·4	81·2	81·2
24	81·0	80·4	80·0	79·9	80·1	79·6	80·1	80·7	81·5	81·4	82·4	82·0	83·3	84·3	84·5	84·5	83·6	81·9	81·3	80·9	79·9	79·2	78·3	78·3	81·3
25	78·0	77·9	78·4	78·4	78·0	78·3	79·5	80·8	81·1	81·9	83·0	83·6	83·9	84·7	83·3	81·9	82·2	80·8	79·4	78·9	78·9	80·0	81·8	82·1	80·6
26	82·2	80·8	77·1	76·4	76·4	76·8	77·0	77·4	78·3	79·5	80·0	81·0	82·0	82·2	81·4	80·9	82·0	81·6	79·8	79·0	78·9	78·6	78·5	78·0	79·5
27	77·7	77·4	77·4	77·4	77·3	77·4	77·8	77·8	79·4	80·3	80·5	82·0	79·5	81·2	79·4	81·0	81·6	80·9	79·1	79·0	78·4	78·1	77·8	77·2	79·0
28	76·8	76·6	76·7	76·5	76·0	75·8	76·9	78·0	79·9	80·9	81·8	82·0	83·7	83·4	82·8	83·4	83·5	82·5	82·0	81·2	80·2	79·3	78·9	77·9	79·9
29	76·9	76·4	75·4	74·9	74·2	74·9	76·1	78·6	80·8	82·5	84·0	85·0	86·4	85·5	86·3	85·5	85·0	84·5	83·1	81·0	79·8	79·2	78·3	79·0	80·5
30	78·7	77·5	77·8	77·0	76·2	76·9	78·8	79·7	80·7	82·0	82·2	83·0	84·2	85·0	85·0	84·9	85·0	85·0	84·0	82·9	81·9	81·0	80·0	79·0	81·2
Mean ...	77·7	77·5	77·2	76·9	**76·7**	76·7	77·3	78·3	79·3	80·2	81·1	81·7	82·3	**82·7**	82·6	82·4	82·1	81·5	80·5	79·8	79·3	78·9	78·5	78·2	79·6
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

387. Richmond (Kew Observatory): North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

May, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	78·7	78·3	77·9	78·0	77·6	77·5	78·0	79·4	81·0	82·6	83·8	83·5	82·0	82·0	83·3	80·6	79·9	81·0	80·0	79·0	79·1	78·9	79·0	78·6	80·0
2	78·1	78·3	78·5	78·5	78·5	78·9	79·6	79·8	80·6	81·3	82·3	83·0	83·5	84·1	85·0	85·1	85·4	84·9	84·1	82·8	81·8	80·5	79·8	79·3	81·4
3	78·7	78·3	77·5	77·8	78·1	79·4	81·0	82·6	83·5	84·0	83·0	84·0	84·5	84·3	84·2	83·9	83·5	83·6	83·9	84·0	84·1	83·9	82·9	82·5	82·1
4	81·9	81·0	80·7	80·1	79·8	80·4	81·9	83·5	84·9	85·9	86·2	87·0	85·3	84·4	84·9	86·5	86·5	85·9	84·3	82·9	81·9	81·1	80·5	80·0	83·3
5	79·8	79·4	79·4	79·8	80·4	80·9	81·5	82·0	82·5	81·8	80·5	83·1	84·4	85·3	86·3	87·0	87·0	86·5	85·0	83·8	82·6	81·7	81·0	80·1	82·6
6	79·4	79·5	79·0	78·5	78·5	80·5	82·2	84·0	84·7	85·8	86·9	88·0	88·8	89·9	90·4	90·3	90·9	90·4	87·6	85·9	84·8	83·4	81·9	81·2	84·7
7	79·2	78·4	78·4	77·7	78·3	78·9	80·9	83·9	86·6	89·1	90·8	91·8	93·2	93·9	94·7	94·4	94·8	94·4	91·9	88·9	85·9	83·9	83·0	82·1	86·4
8	81·6	81·2	80·9	80·4	80·8	81·0	84·2	87·0	89·0	91·4	93·1	95·0	96·3	96·7	97·5	98·0	98·0	97·8	96·7	93·2	91·3	90·3	88·5	87·7	89·8
9	87·2	86·1	85·6	84·1	83·7	85·1	87·8	88·7	90·0	90·9	92·0	93·1	94·1	95·3	95·9	94·4	93·5	92·1	91·4	88·7	86·6	86·0	85·8	85·7	89·4
10	84·5	84·1	83·1	82·2	82·3	82·3	82·5	82·2	82·7	83·0	84·2	84·6	85·1	85·7	85·4	85·2	84·8	84·3	83·2	82·2	81·7	80·6	80·1	80·2	83·3
11	80·0	80·1	80·0	79·8	79·8	80·2	81·1	81·3	81·9	82·2	82·6	82·9	83·2	83·2	83·4	82·5	82·1	81·6	81·2	80·7	80·4	79·8	79·5	79·0	81·2
12	78·6	78·4	78·3	78·4	78·4	78·9	79·2	79·8	80·5	81·5	82·3	83·0	83·2	83·6	83·2	82·2	81·1	80·4	79·5	79·2	78·5	77·1	76·9	76·3	**80·0**
13	75·8	75·2	75·0	75·1	75·4	76·0	78·2	79·5	81·0	81·3	82·2	83·1	83·3	84·3	84·3	84·9	85·2	85·0	84·1	82·8	80·9	80·0	79·4	79·0	80·4
14	78·6	78·1	76·6	75·8	76·0	76·9	79·4	82·5	84·6	86·1	87·0	88·5	89·2	89·7	89·5	89·5	89·9	89·7	88·1	85·6	84·0	82·8	81·3	80·6	83·7
15	79·6	79·1	78·6	77·6	78·2	79·9	81·1	82·9	84·5	86·1	87·1	88·0	88·9	90·1	90·4	90·7	90·6	89·6	88·6	86·8	85·1	84·1	82·7	81·5	84·6
16	81·1	80·6	79·6	79·2	80·2	81·8	83·4	84·6	85·8	86·8	87·5	88·4	89·6	90·2	90·7	90·3	89·9	90·0	87·7	85·2	84·1	82·7	82·3	82·0	85·1
17	82·8	83·2	82·7	82·4	82·4	82·8	83·3	83·9	84·2	84·6	85·4	86·1	86·6	87·1	88·6	89·9	90·5	88·7	87·7	86·6	85·9	85·0	84·4	84·3	85·3
18	84·1	83·6	83·2	83·0	83·8	84·4	85·3	86·5	86·7	86·2	88·5	88·6	87·5	88·6	89·4	88·9	89·1	88·6	88·1	86·6	85·5	84·3	83·9	83·2	86·2
19	83·1	83·6	83·9	84·0	84·1	85·0	85·7	86·3	86·9	87·1	87·9	89·3	91·0	92·9	92·5	92·3	92·5	91·6	90·2	88·3	87·1	86·2	85·6	85·0	87·5
20	84·5	84·0	84·0	84·1	84·9	86·3	87·0	87·7	88·5	90·0	90·0	91·3	93·0	93·9	95·0	96·0	96·5	96·9	95·1	91·4	89·3	88·5	87·1	85·8	89·6
21	85·6	85·3	84·6	84·2	84·2	86·3	89·0	91·2	93·7	95·2	97·0	98·1	99·1	99·5	00·8	99·5	00·6	00·4	99·6	96·3	93·9	92·3	91·0	89·7	93·1
22	89·5	88·5	88·0	87·2	88·0	90·3	92·6	94·0	96·2	98·0	00·4	01·8	02·7	02·9	02·5	02·2	02·0	01·9	98·8	97·0	96·2	95·2	93·6	93·0	95·9
23	92·6	91·5	91·3	90·1	90·0	91·9	94·1	96·0	96·7	98·3	99·1	98·8	99·8	01·0	02·2	02·8	03·0	02·0	00·1	96·3	95·1	94·1	93·4	92·3	**96·4**
24	90·1	90·3	89·7	89·0	87·9	90·0	91·7	93·1	94·8	97·0	98·4	00·2	01·2	01·6	02·8	03·0	02·0	01·5	00·9	97·9	96·1	94·7	93·1	91·4	95·8
25	91·0	90·4	90·4	90·8	90·2	90·5	91·5	92·9	93·7	94·1	95·5	96·9	97·5	98·1	94·5	96·1	96·2	96·9	95·6	93·0	92·5	91·9	90·9	90·0	93·4
26	89·0	87·8	86·7	86·0	86·0	85·4	85·9	86·8	86·9	87·9	89·3	90·8	92·0	92·9	93·9	93·7	93·2	94·0	93·4	91·6	90·3	89·1	88·4	87·2	89·6
27	86·5	85·3	83·9	83·2	83·3	85·2	87·4	88·7	89·1	89·6	90·4	91·2	92·0	92·8	93·3	93·4	93·5	94·0	92·6	91·0	89·8	88·5	87·5	86·4	89·1
28	85·0	84·3	83·8	83·0	83·5	85·2	87·2	88·8	89·9	90·5	91·5	92·2	94·0	94·0	95·0	94·6	94·9	93·9	92·3	90·1	88·6	87·3	86·2	85·4	89·2
29	84·6	83·8	82·7	82·4	82·5	85·0	87·0	88·9	90·9	92·9	95·0	96·2	97·5	98·2	98·3	98·8	97·5	97·0	95·1	93·5	91·3	89·5	88·4	87·4	91·0
30	86·6	85·5	84·8	83·9	84·1	86·1	88·4	90·9	93·0	94·6	96·4	97·5	98·0	99·0	99·0	99·4	99·3	99·9	97·0	95·0	93·4	92·2	90·1	89·3	92·4
31	88·2	88·0	86·8	86·4	87·2	88·2	89·9	92·1	94·0	95·8	97·6	99·0	99·4	00·1	00·1	00·2	00·0	98·7	98·0	95·9	94·0	92·4	91·1	90·6	93·9
Mean ...	83·4	82·9	82·4	**82·0**	82·2	83·3	84·8	86·2	87·4	88·4	89·5	90·5	91·2	91·8	**92·2**	92·1	92·1	91·7	90·4	88·5	87·1	86·1	85·1	84·4	87·3

388. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

June, 1922.

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	90·0	89·0	88·0	87·6	87·4	88·9	91·6	94·4	96·0	97·2	98·2	99·0	00·0	01·2	01·8	01·9	99·0	98·0	96·1	94·0	91·7	90·6	90·1	89·7	**94·2**
2	89·3	88·8	88·1	87·9	88·6	89·7	90·2	92·0	94·0	95·7	97·5	96·5	96·3	96·1	98·7	99·8	00·5	99·6	98·0	95·2	93·9	91·0	90·5	00·0	93·7
3	89·3	88·6	88·0	87·7	87·0	86·9	86·9	87·0	87·9	88·6	89·7	90·1	90·4	91·1	92·2	92·1	92·0	91·1	89·6	88·1	87·3	86·4	85·4	84·4	88·8
4	84·1	83·1	81·5	81·7	82·0	83·4	84·6	86·7	88·1	89·0	90·2	90·4	91·5	92·2	92·7	93·3	93·7	93·7	93·4	91·7	89·4	87·7	86·7	84·8	88·1
5	83·8	83·7	82·9	82·0	82·2	84·0	86·1	88·6	89·8	91·0	92·0	92·7	94·9	94·7	95·1	95·2	95·6	95·0	94·2	92·2	90·7	88·6	87·5	86·1	89·5
6	86·5	86·1	85·0	84·3	85·2	87·0	88·8	90·0	91·4	92·7	93·6	94·9	95·5	95·9	95·9	95·4	95·2	94·1	92·7	90·6	89·2	88·5	87·7	86·9	90·5
7	86·2	85·3	85·1	84·6	85·1	86·7	88·3	90·1	92·3	93·2	94·0	94·9	95·9	96·0	96·0	95·7	95·1	94·5	93·2	90·6	88·7	87·3	86·7	85·9	90·5
8	85·4	84·8	83·4	83·9	84·9	86·5	87·6	89·5	90·9	91·0	91·2	91·4	90·3	91·0	89·0	89·0	89·3	89·3	89·4	89·0	88·5	88·0	87·1	87·2	88·2
9	87·2	87·2	86·7	86·2	86·1	86·6	87·3	89·0	89·9	90·0	91·0	93·4	94·9	95·0	95·3	96·5	96·0	96·2	95·0	93·0	91·2	90·0	88·9	87·4	90·8
10	85·2	86·1	85·0	84·3	84·4	85·0	86·0	87·3	89·0	91·0	92·1	92·9	93·2	94·8	94·7	95·0	94·8	90·8	91·4	90·9	90·2	89·4	88·2	87·4	89·5
11	86·9	85·7	85·7	84·5	85·5	86·0	86·9	87·5	88·4	89·6	90·1	90·5	91·5	92·0	92·5	93·5	93·6	93·9	93·0	90·3	88·0	86·8	86·0	85·2	88·9
12	84·5	83·6	84·0	83·6	84·4	85·0	86·6	88·4	90·6	92·0	93·1	94·1	95·2	95·7	96·3	96·7	97·1	97·2	97·1	95·4	92·1	89·4	88·4	87·5	90·7
13	86·6	85·6	84·5	85·0	85·1	86·7	88·1	90·1	91·9	92·5	91·1	90·1	88·0	85·5	85·3	85·6	86·0	85·1	84·0	83·4	82·8	82·1	81·6	81·4	86·3
14	81·1	81·0	81·2	81·4	81·4	82·0	82·1	82·8	83·5	83·7	83·9	83·6	83·5	83·5	84·0	84·3	84·5	84·5	84·5	84·3	83·9	83·5	83·5	82·9	**83·1**
15	82·0	81·5	81·5	81·5	81·7	82·0	82·5	82·6	83·0	83·8	84·4	84·9	85·4	85·8	86·0	86·6	86·5	86·7	86·5	86·1	86·0	85·0	84·0	82·0	84·1
16	81·9	81·6	80·9	80·6	81·2	83·0	84·3	85·4	87·2	88·5	90·1	91·3	92·4	93·1	93·8	93·1	93·2	93·0	93·2	90·5	88·8	88·4	88·0	87·0	87·9
17	87·6	87·2	86·1	85·1	84·5	84·3	84·5	85·2	86·1	86·5	86·7	87·1	87·1	87·3	88·2	88·1	87·9	88·0	87·1	86·1	85·1	84·5	83·6	83·7	86·2
18	83·6	83·7	83·6	83·5	83·5	83·7	85·0	85·5	86·4	86·6	86·7	87·3	89·1	90·0	91·5	92·1	91·5	90·9	89·7	89·1	88·6	88·6	88·2	88·0	87·3
19	87·8	87·9	87·7	87·9	88·4	89·1	89·8	90·8	91·8	92·9	93·9	94·3	95·3	96·4	96·5	96·9	96·5	95·0	95·4	93·0	91·7	90·5	89·2	88·0	91·9
20	87·4	86·9	86·1	85·8	85·4	86·2	86·9	86·6	86·8	88·0	89·9	91·0	91·5	92·4	92·2	92·0	91·7	93·5	92·9	91·1	89·8	88·5	88·2	88·1	89·1
21	88·0	87·0	86·7	85·9	86·1	86·1	87·1	88·5	89·0	90·4	91·5	92·4	92·5	94·0	94·2	93·6	92·0	91·5	90·4	89·2	88·3	87·0	85·5	84·5	89·3
22	83·5	82·9	82·3	81·6	83·4	84·1	85·5	87·8	89·3	89·7	90·9	91·7	92·1	91·0	90·4	88·4	89·0	88·0	88·2	87·4	87·1	87·0	86·5	86·4	87·2
23	86·0	86·4	86·5	86·5	86·9	84·9	85·6	87·3	88·0	88·5	88·7	90·0	90·0	90·6	91·6	91·2	90·5	90·3	90·4	88·5	87·3	86·4	85·6	85·0	88·1
24	84·9	85·3	85·0	83·8	85·1	86·0	87·2	87·9	89·4	89·0	90·1	90·0	90·6	90·1	88·1	87·5	87·2	87·4	87·0	86·9	85·6	85·3	84·7	84·3	87·0
25	84·1	84·3	84·1	83·7	84·1	84·1	84·6	85·5	85·9	84·4	87·1	87·8	87·1	88·1	87·9	89·0	88·1	87·3	88·0	86·3	85·4	84·7	84·1	84·0	85·1
26	83·4	82·8	82·5	83·5	83·9	84·1	85·0	85·4	86·2	86·9	88·0	88·1	87·9	88·5	88·4	88·5	88·7	89·0	88·8	88·4	87·9	87·2	86·8	86·9	86·4
27	86·5	86·0	85·9	85·5	85·5	86·4	86·8	87·5	88·1	87·8	88·0	89·9	90·0	92·5	92·9	92·1	91·6	91·3	90·2	89·3	88·9	88·6	88·6	88·2	88·6
28	88·0	88·0	87·9	88·0	88·1	88·6	89·0	89·1	89·9	89·6	89·5	90·0	90·4	90·2	89·6	88·8	88·9	88·5	86·5	86·0	84·8	84·4	83·9	84·0	88·1
29	83·5	82·1	81·5	81·0	81·2	82·6	83·9	84·9	86·0	87·0	87·5	87·3	85·0	86·0	86·6	88·5	89·0	89·0	88·3	86·8	85·6	84·7	84·0	83·5	85·2
30	82·5	82·7	82·9	83·1	83·6	84·8	85·6	86·6	87·2	87·3	87·8	88·5	88·7	89·6	90·3	89·8	89·2	88·6	88·0	87·5	86·9	85·0	86·0	86·0	86·6
Mean ...	85·6	85·2	84·7	**84·4**	84·7	85·5	86·5	87·7	88·8	89·5	90·3	90·9	91·2	91·7	91·9	**92·0**	91·8	91·4	90·7	89·4	88·2	87·2	86·5	85·9	88·4
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

389. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

July, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	85·8	85·5	85·4	84·8	85·3	85·9	86·7	87·5	88·6	89·3	88·2	89·8	90·1	90·1	90·3	90·9	89·1	89·5	88·7	88·3	88·1	87·7	87·8	87·3	87·9
2	86·1	86·8	87·1	85·9	86·1	86·7	87·2	88·4	88·6	89·1	90·2	90·6	91·1	90·4	91·9	90·8	89·7	89·1	89·0	87·7	86·6	85·4	85·9	85·5	88·2
3	85·3	85·1	85·1	85·5	86·0	86·1	87·1	87·1	87·9	88·3	89·5	90·3	91·9	91·8	90·9	91·3	91·5	91·6	90·8	89·0	87·1	86·3	85·0	84·1	88·1
4	82·6	82·4	81·6	82·5	83·4	84·5	86·3	86·8	86·9	88·2	88·7	89·0	88·5	88·8	88·8	88·6	89·1	89·3	88·9	87·4	86·0	85·6	85·5	85·0	86·4
5	84·5	84·1	84·0	83·7	85·2	86·9	87·3	88·0	88·2	89·4	89·5	89·8	88·3	87·3	86·0	85·4	85·2	85·6	87·3	88·0	89·5	89·5	89·7	89·8	87·1
6	89·0	89·9	90·1	89·0	88·5	88·5	88·6	89·2	88·8	89·3	87·2	86·5	85·1	85·4	87·0	87·3	88·0	87·4	86·6	85·3	84·9	84·5	84·0	83·5	87·4
7	83·1	82·9	83·1	82·9	83·5	84·0	85·2	86·5	87·9	87·0	86·6	88·1	89·0	90·0	89·9	85·4	85·2	85·0	85·4	85·2	84·4	83·6	83·8	83·5	85·5
8	83·6	83·6	83·6	83·9	84·0	85·1	86·0	87·4	88·7	89·3	90·7	91·0	91·1	91·5	90·5	88·4	90·0	88·9	87·8	87·0	86·1	85·5	85·0	85·0	87·2
9	84·6	84·9	84·5	84·5	84·9	85·1	84·6	84·9	85·9	87·2	87·6	87·7	87·1	87·1	87·5	88·0	87·9	89·2	87·9	86·9	86·2	85·6	85·1	84·5	86·2
10	84·1	83·2	82·5	82·1	83·2	84·3	85·0	86·0	86·9	87·8	89·6	90·4	91·3	91·2	91·6	91·5	92·0	92·1	90·6	89·5	87·8	86·9	85·2	85·2	87·5
11	84·6	83·8	82·9	82·6	83·0	83·4	85·5	87·0	88·8	**91·0**	91·6	92·6	90·2	89·5	90·1	91·8	92·4	91·6	91·4	88·8	87·2	86·3	85·5	84·9	87·8
12	84·5	84·2	83·6	82·6	82·4	84·4	86·8	89·0	90·2	91·2	92·5	93·6	94·4	94·7	94·1	94·5	95·0	94·2	92·6	91·1	89·8	88·2	87·6	87·0	89·5
13	86·7	85·8	85·6	85·7	85·9	86·1	87·1	88·4	89·3	90·2	89·6	89·1	89·0	90·3	90·9	90·4	89·0	88·6	88·2	88·1	87·5	87·1	86·8	86·5	88·0
14	86·1	85·4	85·0	85·0	85·3	85·6	85·7	86·2	86·6	87·1	88·0	88·9	89·6	89·4	89·1	88·9	90·2	91·0	90·0	88·2	86·9	86·0	86·5	86·0	87·4
15	85·9	85·8	85·6	83·5	83·0	83·3	83·9	84·6	86·2	87·9	88·9	89·6	90·0	90·2	90·0	90·7	87·9	87·9	88·0	87·0	85·9	85·2	84·7	83·9	86·7
16	83·4	82·6	82·0	81·4	81·5	83·1	84·5	85·8	86·6	87·3	87·3	87·0	87·5	87·3	87·5	87·5	86·8	86·5	86·1	85·9	85·3	84·7	85·1	85·2	**85·3**
17	85·3	85·0	84·9	84·8	85·0	85·7	86·9	87·3	88·6	88·5	90·1	88·7	90·1	90·2	90·1	90·7	90·3	90·1	89·6	87·6	86·6	86·1	86·1	86·1	87·7
18	86·1	85·1	84·4	84·8	85·4	84·8	84·2	85·1	84·5	84·9	85·9	86·0	86·0	88·7	89·8	90·6	91·1	90·4	90·7	89·1	87·9	86·0	85·4	84·6	86·8
19	84·0	83·5	82·8	82·3	82·6	83·6	85·1	87·3	88·9	89·4	90·2	91·0	92·0	92·3	92·7	93·1	93·4	93·7	92·7	90·9	89·5	88·1	87·0	86·0	88·4
20	85·3	84·6	84·0	83·4	83·9	85·0	86·5	88·0	89·0	90·0	90·3	91·5	92·9	93·6	94·2	93·9	94·0	94·4	92·6	91·1	89·9	88·7	88·0	87·4	89·2
21	87·5	87·7	87·9	87·8	88·0	88·2	89·0	90·0	91·0	92·2	94·0	95·3	96·6	97·0	96·3	95·1	93·0	92·9	92·6	91·7	90·8	89·5	88·3	87·5	**91·2**
22	88·0	88·1	87·9	88·0	88·1	88·6	89·1	89·3	89·9	90·1	90·9	92·0	94·0	93·7	92·9	90·5	90·0	90·2	90·3	89·3	88·4	87·9	88·0	88·0	89·7
23	87·8	87·5	87·4	87·1	87·2	87·4	87·9	87·9	88·4	89·1	89·3	91·0	89·1	89·0	89·4	90·0	89·4	89·4	89·0	88·5	88·0	87·7	87·5	87·5	88·5
24	87·4	87·2	86·1	85·3	84·6	84·6	84·7	84·3	83·9	84·9	85·9	87·2	87·5	87·3	87·8	87·6	88·3	87·7	87·3	86·8	84·7	83·8	84·4	84·8	86·1
25	84·5	83·9	83·6	83·9	84·0	84·6	85·4	86·9	89·0	89·1	90·4	90·7	91·7	92·7	93·5	94·0	94·0	93·9	92·5	91·2	90·0	88·3	87·2	86·1	88·8
26	86·0	85·6	85·9	86·1	86·2	87·0	88·4	88·5	90·0	91·0	91·5	91·8	91·9	93·0	92·0	91·4	91·1	89·6	88·6	88·0	87·5	87·5	87·6	87·6	88·9
27	87·6	87·7	87·6	87·5	87·2	87·5	88·0	88·9	90·3	91·1	92·0	92·2	92·8	93·0	93·5	93·2	93·3	92·5	91·4	90·8	90·2	89·4	88·4	87·6	90·2
28	87·1	86·9	86·4	85·5	84·9	85·5	86·5	87·9	89·5	90·0	90·6	91·5	92·2	93·0	93·0	93·7	94·0	94·6	93·0	90·5	88·7	88·1	86·4	86·0	89·4
29	85·2	84·5	84·2	83·0	84·8	86·0	87·7	89·9	91·0	92·6	94·2	94·5	95·0	94·6	94·4	94·0	92·9	93·1	91·9	91·4	91·3	91·3	91·3	91·2	90·3
30	91·2	91·1	90·9	90·6	90·5	90·4	91·0	91·4	92·3	89·6	89·3	90·9	91·1	92·0	92·4	92·4	92·0	91·8	90·8	90·6	88·8	87·5	86·2	85·5	90·5
31	84·4	83·9	83·4	83·3	83·7	85·3	86·2	87·9	89·0	89·6	90·9	91·3	92·4	90·5	92·0	92·1	89·1	89·9	89·7	87·9	86·7	85·6	85·2	84·3	87·7
Mean ...	85·7	85·4	85·1	**84·8**	85·1	85·7	86·6	87·5	88·4	89·1	89·7	90·3	90·6	90·8	**91·0**	90·8	90·5	90·4	89·7	88·7	87·7	86·9	86·5	86·0	88·1

390. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

August, 1922.

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	84·1	83·5	83·1	82·3	82·6	83·9	85·4	86·8	88·2	88·5	90·0	90·0	89·5	90·0	89·4	89·1	89·2	90·8	89·6	88·1	87·5	86·6	86·1	85·3	87·0
2	84·5	83·1	83·0	82·5	82·5	83·1	84·3	86·4	87·9	89·0	88·8	90·1	90·1	91·1	91·4	91·1	90·5	89·7	88·1	87·5	87·0	86·4	86·1	85·6	87·1
3	85·2	84·7	84·3	84·1	84·7	85·8	86·6	87·5	88·8	89·4	89·3	90·4	92·6	92·4	90·9	90·1	88·5	88·5	88·5	87·0	87·0	86·4	86·3	86·1	87·7
4	85·6	85·8	85·2	85·3	85·0	85·6	86·0	86·6	87·1	87·6	88·1	89·3	90·0	91·1	91·5	91·5	90·0	89·6	89·4	88·7	88·2	88·1	87·1	86·4	87·9
5	85·8	86·1	86·0	84·6	83·8	84·1	84·4	85·4	87·5	88·4	90·2	89·8	91·0	92·0	92·5	92·3	92·0	91·6	90·0	88·9	88·4	87·9	87·6	87·3	88·2
6	87·1	86·8	86·8	86·6	86·3	86·8	87·6	88·9	89·9	90·2	90·1	89·5	89·2	89·4	88·5	88·5	88·5	88·5	88·0	87·4	87·6	87·4	87·7	88·1	88·1
7	88·5	88·6	88·5	87·9	87·9	87·4	86·8	86·5	86·9	87·1	88·3	88·7	89·1	89·8	90·0	91·8	91·6	92·0	91·4	89·5	88·2	86·9	86·0	85·6	88·6
8	85·5	84·6	85·0	85·6	86·1	86·6	87·0	88·8	89·8	90·8	92·0	90·4	91·9	93·2	93·8	93·1	93·3	91·7	91·7	88·6	87·7	86·6	85·0	85·0	88·9
9	85·4	85·6	85·6	84·8	84·5	84·6	85·4	87·3	87·1	88·6	89·1	89·6	90·4	90·4	87·4	87·5	87·6	87·5	86·7	86·2	86·3	86·3	86·1	85·1	86·9
10	84·5	84·6	84·5	84·2	83·5	83·7	84·4	84·9	85·9	87·1	87·5	88·1	88·1	89·0	88·7	88·4	88·1	88·4	87·4	86·1	85·3	84·3	83·3	82·7	86·0
11	82·5	81·5	81·5	81·4	81·3	82·0	82·5	83·0	84·1	86·0	87·2	88·6	90·1	85·7	87·1	87·0	88·4	87·7	86·9	86·2	85·7	85·5	85·3	84·7	**85·0**
12	83·8	82·9	82·0	83·1	83·1	83·6	85·6	88·2	88·1	89·3	90·1	90·1	90·3	89·7	88·5	86·8	86·8	87·1	86·9	86·8	86·7	87·1	87·2	87·5	86·7
13	87·8	88·0	88·0	87·2	87·3	87·1	87·0	87·4	88·1	89·1	89·7	90·3	91·0	90·7	91·1	91·1	90·5	89·7	89·0	88·1	87·5	87·1	86·2	85·7	88·6
14	84·9	83·7	83·1	82·9	82·5	83·1	84·7	86·1	87·9	89·1	89·8	90·7	90·7	91·3	91·2	91·0	90·7	90·2	89·5	88·5	88·0	87·7	86·5	86·3	87·5
15	86·1	85·1	84·1	83·5	83·1	82·7	83·6	85·7	87·0	87·9	89·4	90·1	90·4	90·4	90·5	91·5	91·3	90·5	90·8	88·6	87·4	86·4	85·5	84·6	87·4
16	84·1	83·5	82·9	83·0	82·3	83·5	85·1	87·3	88·6	90·1	90·1	91·4	91·5	91·8	92·8	92·3	91·4	90·5	89·8	88·3	87·5	87·7	87·9	87·7	87·9
17	87·4	87·3	87·1	86·4	86·5	87·5	88·1	88·7	89·2	89·8	89·2	90·2	90·5	90·1	90·3	91·1	91·2	90·9	89·2	87·7	87·0	86·1	85·7	85·1	88·5
18	84·7	84·5	84·7	84·6	84·5	84·7	85·6	87·0	88·1	89·2	90·1	90·4	90·7	91·1	90·4	91·0	89·5	89·1	88·2	87·8	87·8	87·5	87·1	86·4	87·6
19	86·1	84·9	84·7	83·5	82·7	83·4	84·7	87·1	88·9	89·9	90·9	91·0	91·1	93·0	92·5	93·0	93·4	92·7	92·1	91·2	89·8	88·7	88·1	88·0	88·8
20	88·1	87·1	86·3	85·5	85·0	85·0	86·4	87·1	88·1	89·4	89·4	90·1	90·9	92·7	92·0	93·0	92·5	91·4	90·2	88·7	87·0	86·0	84·7	84·3	88·5
21	84·0	82·8	83·0	82·0	82·0	82·2	83·5	85·4	88·3	90·0	92·0	93·1	94·2	95·1	95·0	94·9	95·1	93·2	91·9	90·8	90·1	89·5	88·7	88·2	88·9
22	87·5	87·4	87·3	87·2	87·2	87·5	87·8	89·2	90·1	90·0	90·5	90·5	90·8	92·1	91·8	91·4	91·5	90·8	89·7	89·4	89·4	89·3	88·4	87·6	89·4
23	87·4	86·7	86·6	86·6	86·5	86·3	86·1	86·6	87·0	87·8	88·0	88·6	89·6	88·9	89·6	89·5	89·1	88·5	87·5	85·9	85·3	85·1	84·4	83·6	87·2
24	83·1	82·4	82·2	81·8	81·6	82·2	83·0	84·6	86·1	87·8	88·7	89·9	90·0	88·9	87·7	87·0	87·5	88·0	88·4	88·4	88·1	87·0	87·0	87·0	86·1
25	86·9	86·6	86·5	86·3	86·1	86·0	86·5	86·9	87·8	88·2	89·1	89·5	89·2	89·0	88·9	90·0	89·1	86·9	86·7	86·6	85·6	84·4	83·7	82·7	87·1
26	81·9	81·3	80·6	80·0	79·5	80·0	81·4	83·6	85·5	86·2	87·6	88·4	89·7	90·2	91·3	91·8	91·5	91·0	88·8	87·2	86·4	85·7	85·4	85·0	85·8
27	85·2	86·0	86·5	86·7	86·9	87·1	87·9	89·4	90·9	91·4	91·4	91·9	91·9	93·0	93·1	93·5	93·0	91·4	90·0	89·0	88·3	87·7	86·7	87·0	89·4
28	86·9	86·8	87·0	86·5	86·5	86·5	86·9	87·2	88·3	90·0	91·0	91·7	92·1	93·1	93·0	93·6	92·4	91·7	90·9	90·0	89·3	88·9	88·5	88·1	89·4
29	88·0	88·0	87·4	87·5	86·8	86·4	87·8	88·5	90·1	90·3	91·3	92·6	93·2	94·1	94·3	94·0	93·0	92·3	91·2	90·5	89·0	89·4	88·5	88·0	**90·1**
30	87·9	87·5	87·2	86·9	86·4	86·1	86·5	86·5	86·6	86·1	87·6	88·3	88·3	89·4	89·4	88·5	87·8	87·3	86·9	87·3	87·4	86·4	86·2	85·5	87·3
31	84·8	84·0	83·0	82·4	81·9	82·8	84·2	85·0	86·3	85·4	86·6	87·0	88·6	88·9	85·5	87·4	88·6	87·4	85·9	84·8	83·6	82·6	83·4	83·0	85·2
Mean ...	85·7	85·2	85·0	**84·6**	84·7	84·7	85·7	86·8	87·9	88·4	89·5	90·0	90·5	**90·9**	90·7	90·6	90·4	89·9	89·1	88·1	87·4	86·9	86·3	85·9	87·7
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

391. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

September, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	82·5	82·0	81·1	81·1	80·6	79·9	82·0	84·0	85·9	86·0	86·2	88·1	88·5	88·0	86·3	86·1	86·2	86·2	85·6	85·5	84·6	83·7	83·2	83·1	84·4
2	82·9	81·8	81·9	81·6	80·9	81·6	82·3	83·3	84·3	85·4	86·4	87·9	89·3	89·6	87·0	85·2	86·9	86·9	85·9	85·6	84·7	83·6	82·4	82·2	84·6
3	82·2	82·1	81·8	81·0	81·0	80·9	81·4	82·5	84·1	85·4	86·9	87·1	88·3	89·0	90·0	90·8	90·4	88·6	86·9	85·2	84·0	84·1	83·7	84·1	85·0
4	84·4	84·4	84·5	84·3	84·5	84·7	85·3	85·7	86·4	86·8	86·5	87·1	87·3	87·8	88·0	88·0	87·8	87·8	87·7	87·6	87·7	87·6	87·5	87·3	86·5
5	87·3	87·2	87·1	87·2	87·1	87·1	87·5	88·0	88·3	89·1	89·8	90·5	91·6	92·0	92·2	91·5	91·6	90·9	90·0	89·0	87·5	87·0	86·4	85·6	88·9
6	86·0	85·8	85·9	86·3	86·3	86·2	86·5	87·3	89·2	90·9	91·8	92·0	92·7	92·7	92·5	91·9	91·4	90·1	87·7	86·7	86·5	85·8	85·5	85·1	88·5
7	83·3	82·8	82·0	81·5	80·7	80·8	82·4	84·8	87·0	89·1	90·2	91·3	91·8	92·1	91·4	91·5	90·8	90·4	89·1	88·1	86·6	85·5	84·6	84·2	86·8
8	83·3	83·2	83·7	84·1	83·5	83·3	83·9	84·4	85·5	86·3	87·3	88·6	88·6	89·5	89·5	88·9	88·7	88·0	87·5	87·3	86·9	86·1	84·9	84·9	86·1
9	84·5	84·0	83·5	83·0	82·1	81·5	81·7	83·0	84·1	84·8	86·1	85·1	85·4	85·5	86·5	86·7	86·1	84·7	83·6	82·4	81·6	81·1	80·5	80·3	83·8
10	80·0	79·5	79·3	79·2	79·2	78·6	80·6	82·4	83·7	85·1	86·3	87·0	87·0	86·7	87·3	87·1	86·4	86·2	85·7	85·6	85·1	84·6	83·9	83·1	83·7
11	82·7	82·7	82·5	82·1	82·1	82·5	83·5	84·2	85·0	86·0	87·1	88·1	89·0	89·2	89·8	90·1	89·7	87·4	85·9	83·7	83·6	82·1	81·1	80·1	85·1
12	80·1	79·1	79·2	80·0	80·1	79·4	79·8	80·5	82·6	86·1	87·7	87·5	88·1	88·1	88·2	87·8	86·8	85·8	85·5	84·5	84·4	84·1	84·2	84·4	83·8
13	84·5	84·5	84·7	84·5	83·5	82·6	83·6	84·4	85·7	86·5	88·1	88·6	87·5	88·9	89·1	89·0	87·5	86·3	84·5	83·4	82·1	80·4	80·3	79·4	85·1
14	79·1	78·7	79·1	79·1	79·5	80·1	81·4	82·7	84·2	84·0	85·1	87·1	88·2	88·8	88·8	87·7	86·6	85·2	85·1	85·3	85·0	84·8	84·7	84·6	83·8
15	84·8	85·0	85·0	84·9	84·8	84·6	84·8	84·8	85·8	86·7	86·6	86·2	86·2	86·8	87·7	87·0	86·3	85·3	84·6	84·2	83·4	81·7	80·1	79·5	85·0
16	79·6	79·3	78·6	78·3	77·6	77·7	78·9	81·9	83·6	85·3	87·0	87·1	88·1	87·7	87·7	87·1	86·9	86·7	86·7	86·7	87·1	87·5	87·8	87·7	84·1
17	87·8	87·5	87·6	87·7	87·5	87·6	88·1	88·1	88·1	89·0	90·1	89·5	90·2	89·8	90·1	89·6	88·7	87·2	86·1	85·4	85·0	84·5	84·1	83·3	87·7
18	82·9	82·1	82·0	81·4	81·1	80·4	80·8	82·1	83·2	84·2	85·0	85·6	86·3	86·6	87·2	87·7	87·9	86·0	84·6	83·2	83·0	82·7	82·8	83·4	83·8
19	83·5	83·7	83·7	83·9	84·2	84·7	85·3	85·5	84·9	85·1	85·6	85·6	86·0	86·2	87·1	87·5	87·5	87·5	87·8	88·1	88·2	88·8	89·0	89·2	86·1
20	89·6	90·0	90·1	90·2	90·0	89·7	89·5	89·9	90·7	91·0	91·4	92·0	92·4	93·0	93·0	92·9	92·6	91·0	89·5	88·2	87·4	87·0	86·3	86·7	**90·2**
21	86·4	87·3	87·4	87·5	87·6	87·6	88·0	88·7	89·8	91·2	92·0	92·1	93·0	93·8	94·2	94·3	93·8	91·7	90·3	89·2	88·9	88·3	88·0	87·6	89·9
22	87·1	86·5	86·4	86·5	86·5	86·8	86·3	87·6	87·4	88·6	90·1	90·8	90·4	91·4	92·5	91·1	90·6	90·0	88·6	87·6	86·8	86·0	85·5	85·1	88·2
23	85·0	85·1	85·1	85·0	84·8	84·9	85·3	85·5	86·1	86·7	86·2	86·4	86·5	87·0	87·0	87·2	87·1	87·1	86·6	86·0	85·8	85·6	85·6	85·6	86·0
24	85·3	85·1	85·4	85·2	85·1	84·6	84·1	84·5	84·8	85·1	86·1	86·4	86·7	87·1	87·6	87·3	87·1	86·1	84·8	83·8	82·3	80·9	80·8	80·1	85·0
25	78·7	78·8	78·3	77·6	78·0	77·9	78·7	79·1	81·0	84·1	87·1	87·8	88·2	88·3	88·1	88·0	87·3	86·7	86·5	86·4	86·2	86·1	86·4	86·4	83·7
26	86·4	86·2	86·2	86·6	86·7	86·6	86·9	87·5	88·4	89·2	89·7	90·1	89·5	89·1	89·7	89·4	88·8	87·6	87·1	87·0	86·5	85·1	85·6	85·2	87·6
27	85·2	85·1	84·9	84·5	84·6	84·4	85·0	86·3	87·4	88·5	88·7	88·1	88·5	88·0	87·1	87·0	86·6	85·5	84·6	84·7	84·4	83·5	83·6	83·7	85·9
28	83·7	83·8	84·0	84·2	84·4	84·5	84·9	85·4	87·1	88·1	89·1	90·2	90·5	90·4	90·0	89·5	89·2	88·6	88·3	87·2	86·5	86·4	85·9	86·1	87·0
29	85·5	85·5	84·9	83·8	82·9	82·1	82·1	83·1	84·0	84·6	85·2	86·5	87·1	86·8	87·0	87·0	85·9	84·7	83·1	82·4	80·9	80·7	79·9	79·4	84·1
30	79·1	78·8	78·2	78·0	77·4	76·9	77·9	79·0	79·9	81·9	84·8	86·2	87·2	87·3	87·7	87·3	86·7	85·8	84·9	85·2	84·0	84·4	85·6	86·3	**82·8**
Mean ...	83·8	83·6	83·5	83·3	83·1	**83·0**	83·6	84·5	85·6	86·7	87·7	88·2	88·7	88·9	**89·0**	88·7	88·3	87·4	86·5	85·8	85·2	84·7	84·3	84·1	85·8

392. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

October, 1922.

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	86·9	87·2	87·2	87·2	87·2	87·2	87·3	87·8	88·4	89·1	90·5	89·8	90·0	91·0	90·8	90·4	89·4	89·1	88·7	87·8	87·5	87·3	86·7	86·0	**88·4**
2	83·7	83·8	82·0	81·9	81·3	80·7	80·8	81·8	83·7	85·4	87·6	88·4	89·2	89·6	89·8	89·8	89·7	86·9	86·4	85·3	84·9	85·0	84·8	84·6	85·4
3	84·4	83·9	83·7	83·9	83·4	83·4	83·3	84·1	85·0	87·0	88·7	89·2	89·3	89·8	90·1	89·9	89·7	88·4	87·8	87·3	87·3	87·4	87·2	87·2	86·7
4	87·2	87·0	86·9	86·7	86·8	87·1	87·1	87·4	87·9	88·3	89·3	91·0	90·5	89·9	89·3	88·9	88·3	88·2	88·0	87·9	87·7	87·5	87·7	87·7	88·1
5	87·7	87·7	87·6	87·6	87·7	87·3	87·1	87·8	88·4	88·9	89·5	89·8	88·8	89·6	88·5	88·9	88·0	87·0	86·3	86·0	85·8	85·5	84·9	84·8	87·6
6	84·8	84·4	84·8	84·3	84·1	84·2	84·3	84·7	85·0	86·0	85·9	85·2	85·3	85·5	85·9	85·9	85·2	84·3	83·1	82·5	82·1	82·1	81·8	81·4	84·4
7	82·7	83·0	83·4	83·4	83·0	82·4	82·1	83·7	84·4	85·3	86·3	86·2	85·9	86·4	86·4	85·9	85·4	84·1	82·9	81·9	82·2	82·8	82·8	82·8	83·9
8	82·1	81·0	80·8	80·7	80·4	79·6	79·4	80·3	83·0	84·1	84·9	85·5	85·7	85·7	85·5	84·8	84·3	83·9	83·8	83·7	83·5	83·3	83·1	82·8	83·0
9	82·1	82·1	82·3	82·3	82·5	82·3	82·6	83·4	84·4	85·0	85·7	86·0	86·1	86·3	85·5	85·1	85·0	85·0	84·6	84·5	84·3	83·4	82·4	81·8	84·0
10	81·1	80·5	80·0	80·2	80·9	81·1	80·9	81·4	81·5	81·9	82·6	83·4	83·9	84·0	83·2	83·0	82·4	82·0	81·8	81·2	81·0	80·7	80·5	80·1	81·7
11	80·0	79·5	79·5	79·3	78·8	78·5	78·5	78·2	80·0	81·7	82·5	83·2	83·8	84·0	84·4	84·2	83·0	80·0	78·6	77·7	77·3	76·7	76·0	75·6	80·1
12	75·4	75·1	74·8	74·1	74·5	74·0	75·0	75·7	79·9	83·6	85·9	87·0	87·5	88·0	87·9	87·7	86·1	84·0	83·0	82·6	82·1	81·5	81·0	80·9	81·0
13	80·6	80·3	80·3	79·0	78·9	79·3	79·6	81·9	84·3	86·1	86·9	87·9	88·7	89·0	88·9	88·0	86·3	84·9	83·9	83·1	81·9	80·9	80·9	80·9	83·4
14	81·3	81·0	79·9	79·5	79·8	79·2	78·2	80·4	83·2	84·9	86·7	88·9	89·6	90·8	90·8	89·7	87·3	85·2	84·3	83·4	83·0	82·2	81·9	81·5	83·9
15	81·2	80·8	79·9	79·4	79·2	78·9	77·9	80·0	82·2	84·1	85·2	86·9	87·4	87·8	87·4	86·9	85·7	84·5	84·1	83·8	83·2	83·0	82·2	82·7	83·1
16	82·7	82·4	82·1	82·0	81·8	81·2	81·2	81·9	83·2	84·5	86·0	86·9	87·9	88·2	87·8	87·0	86·0	85·5	85·2	84·5	84·3	83·9	84·3	84·8	84·3
17	84·4	83·7	83·3	83·5	84·1	84·3	84·2	84·3	84·1	84·2	84·7	85·0	85·3	85·1	84·9	84·1	83·1	82·5	82·3	82·0	82·3	82·9	82·0	82·6	83·8
18	82·2	82·5	82·6	82·7	82·7	82·5	82·4	82·4	82·8	83·3	84·1	85·2	83·4	84·1	84·0	83·5	83·0	82·2	81·7	81·1	81·5	81·6	81·0	80·6	82·7
19	80·9	81·0	80·9	80·0	79·4	79·4	79·0	80·3	81·3	81·6	82·3	82·2	81·9	82·0	81·7	81·1	80·0	80·5	80·3	80·1	80·2	80·0	80·0	80·0	80·7
20	80·1	78·8	78·2	77·9	77·7	77·9	78·0	78·2	78·7	79·0	79·2	79·7	79·8	79·8	79·8	79·5	79·5	79·5	79·5	79·1	79·8	80·0	79·9	79·1	79·1
21	78·8	78·0	77·1	77·4	77·9	78·3	78·6	80·4	81·9	81·8	83·1	84·0	84·3	85·0	83·8	83·3	83·3	82·9	82·0	81·4	81·3	81·0	80·5	80·5	81·1
22	79·7	79·3	78·8	78·4	79·2	79·0	79·4	79·8	80·4	81·1	82·1	82·3	83·0	83·1	82·8	82·4	81·7	81·1	79·9	79·3	78·9	79·7	79·3	79·5	80·4
23	79·6	80·3	80·2	80·1	80·0	79·7	80·0	81·0	81·1	81·8	82·0	82·5	83·2	82·5	82·5	82·1	81·7	81·4	80·2	80·1	79·2	78·3	77·8	77·5	80·7
24	77·5	77·5	77·3	77·5	77·9	77·9	78·0	79·1	80·0	81·1	82·5	82·8	83·7	83·8	82·2	82·2	81·5	80·9	80·0	80·0	80·1	79·8	79·0	77·5	80·0
25	76·0	77·4	78·0	78·0	78·2	78·5	78·5	78·9	79·2	80·3	81·7	82·3	82·4	82·5	82·2	81·9	81·4	80·5	80·0	78·8	77·5	76·5	76·0	75·9	79·3
26	73·9	72·0	71·9	71·6	71·7	71·0	71·0	71·0	71·9	72·5	73·0	73·9	79·0	80·7	80·5	79·6	78·8	77·6	77·6	77·7	76·2	74·9	73·9	74·8	**74·9**
27	74·9	75·1	74·9	74·8	74·1	74·0	74·6	74·7	76·3	79·0	79·6	80·4	81·0	81·5	81·0	81·0	79·0	78·4	78·5	78·2	77·7	78·0	76·9	76·0	77·5
28	75·1	74·9	74·0	74·4	74·0	73·5	73·4	74·1	76·3	78·1	78·4	79·2	79·5	78·7	79·0	78·0	77·6	77·4	76·7	76·5	75·9	74·4	74·0	74·1	76·2
29	74·5	73·7	75·0	75·0	74·5	74·2	74·4	75·2	76·8	77·8	78·3	78·4	78·5	78·5	78·5	78·5	78·0	77·5	78·4	78·6	78·0	78·0	77·5	77·9	77·0
30	78·1	78·1	77·8	77·5	77·7	78·0	78·2	78·2	78·0	78·2	79·0	79·9	80·1	80·5	80·5	80·5	80·5	80·2	79·1	78·9	78·3	77·5	77·5	76·6	78·7
31	76·4	77·4	78·5	78·5	77·8	76·9	77·3	77·4	78·3	79·7	80·5	81·2	81·6	82·2	82·1	81·3	80·0	78·3	77·9	77·9	77·2	76·9	77·0	77·6	78·7
Mean ...	80·5	80·4	80·1	80·0	79·9	**79·7**	79·7	80·5	81·7	82·7	83·7	84·3	84·7	**85·0**	84·8	84·4	83·6	82·7	82·1	81·7	81·4	81·1	80·7	80·5	81·9
G.M.T. ...	1	2	3	4	5	6	7.	8	9.	10.	11.	Noon	13.	14.	15	16.	17.	18.	19	20.	21	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings, in degrees absolute, at exact hours, Greenwich Mean Time.

393. Richmond (Kew Observatory): North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

November, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	77·8	77·2	77·7	78·7	80·3	81·3	81·2	82·0	82·0	82·3	83·0	83·2	83·4	83·8	84·2	84·7	83·4	82·2	81·2	80·0	78·7	77·7	77·2	77·1	80·9
2	76·8	76·1	75·7	75·2	74·8	75·0	74·3	74·6	76·1	77·7	79·0	80·1	80·2	79·6	79·8	79·7	79·3	78·1	77·5	77·0	77·0	77·2	76·5	76·8	77·3
3	76·1	75·8	75·6	75·6	75·7	76·0	76·2	76·5	77·4	77·9	78·1	78·2	78·9	78·9	79·1	78·7	78·4	78·2	78·1	78·0	77·8	77·8	77·7	77·1	77·4
4	76·8	76·2	75·7	76·1	76·5	76·4	76·6	76·5	76·8	77·4	78·3	79·0	79·7	80·2	80·1	79·6	78·4	77·4	76·8	75·9	74·9	74·8	74·4	73·9	77·1
5	73·3	73·1	72·5	72·3	72·4	72·2	72·0	72·9	73·3	75·0	76·9*	78·9	80·1	80·3	80·5	80·1	79·9	79·0	78·8	78·2	78·4	78·5	79·3	79·9	76·5
6	80·0	79·8	80·1	81·0	81·4	81·3	81·8	82·1	83·3	84·6	85·3	85·4	85·3	85·3	84·4	83·6	83·6	83·2	83·2	83·0	81·0	80·7	80·0	79·5	**82·5**
7	79·0	78·9	78·2	78·4	79·2	79·6	80·4	81·3	82·0	83·1	84·0	84·2	85·0	84·9	85·0	84·7	84·0	83·0	82·6	81·8	80·7	79·9	80·0	80·0	81·7
8	80·0	80·0	79·5	79·3	79·1	78·9	78·9	79·0	79·9	81·0	81·6	82·3	82·4	82·7	83·0	82·5	82·3	81·6	80·3	79·1	78·9	78·9	79·0	78·7	80·4
9	79·0	78·9	79·4	79·3	78·9	78·0	77·6	77·2	78·0	79·5	81·2	82·6	83·4	83·3	82·9	82·9	80·7	78·7	77·4	76·4	76·0	75·2	77·4	77·1	79·2
10	77·0	79·0	80·1	80·2	80·5	81·4	82·1	82·9	83·1	83·3	82·7	82·4	82·8	83·3	82·6	82·7	83·0	83·5	83·9	84·0	84·0	83·8	83·3	83·3	82·2
11	83·2	82·3	81·6	80·3	79·6	79·0	79·5	79·0	79·7	80·4	81·2	82·3	82·9	83·0	83·0	82·7	81·0	79·5	79·0	79·6	79·0	77·9	77·6	76·9	80·6
12	75·5	75·3	74·9	74·0	74·0	74·0	73·0	72·8	73·3	74·0	75·1	76·4	78·1	78·2	78·0	78·0	78·0	78·3	78·4	79·4	79·4	78·9	77·2	78·0	76·3
13	77·9	77·6	77·6	77·9	78·0	78·0	77·6	77·4	78·3	79·0	79·7	80·4	80·8	80·7	80·2	78·2	77·1	76·1	75·2	74·1	73·2	74·1	73·7	73·0	77·4
14	73·0	73·1	73·1	73·3	73·5	73·8	73·2	73·2	73·1	73·1	73·2	73·9	74·1	74·7	75·1	74·9	74·5	74·6	74·0	74·1	74·2	74·5	74·1	74·1	**73·8**
15	74·0	74·6	74·6	75·1	75·4	75·7	76·1	76·5	77·2	77·7	78·3	79·0	81·8	81·8	81·5	81·1	80·2	78·9	76·1	77·3	76·8	76·0	73·7	73·8	77·2
16	74·0	74·0	73·9	73·7	74·0	73·7	73·8	73·2	73·2	74·3	74·7	74·7	75·0	76·0	76·2	76·6	76·9	77·2	77·2	77·2	77·3	78·2	78·9	79·0	75·4
17	79·1	79·1	79·2	79·3	79·7	79·5	79·1	79·1	79·7	80·2	80·8	81·1	82·0	82·0	82·0	82·7	82·7	81·7	81·0	80·7	80·0	79·4	80·0	80·6	80·4
18	80·9	81·0	80·4	81·0	82·0	82·0	81·3	81·2	82·0	83·7	84·0	84·1	84·3	84·1	84·0	82·9	82·6	82·4	82·1	81·6	81·1	80·4	79·4	78·7	82·0
19	78·1	77·6	78·1	77·9	76·6	77·0	77·4	77·6	78·5	79·8	80·5	81·2	81·6	81·8	81·5	81·0	80·9	80·6	80·5	80·2	80·2	80·1	80·0	80·0	79·5
20	80·0	79·9	79·7	79·7	79·6	79·1	79·0	78·0	78·5	79·0	79·9	80·9	81·8	81·9	81·9	81·6	81·4	81·2	81·1	81·0	81·0	80·9	80·8	80·6	80·3
21	80·5	80·5	80·5	80·5	80·2	80·1	80·0	79·9	80·0	80·5	81·2	81·5	81·9	81·5	81·6	81·0	81·0	80·9	80·9	80·6	80·4	80·9	81·0	80·6	80·7
22	80·3	80·0	79·6	79·7	79·9	79·6	79·6	79·5	80·0	80·7	80·7	80·9	81·0	81·4	81·6	81·1	80·7	80·4	79·7	79·6	79·4	79·5	79·4	79·1	80·2
23	78·9	78·9	78·7	78·6	78·5	78·3	78·3	78·0	78·7	79·6	80·7	81·5	82·0	82·0	82·1	81·7	81·2	81·0	80·0	78·5	78·6	78·1	78·1	78·0	79·6
24	78·1	77·8	77·8	77·8	78·1	78·1	78·4	78·5	79·1	80·6	81·5	83·1	83·0	82·9	81·4	80·9	79·7	78·8	78·1	76·9	76·2	75·6	75·1	74·6	78·9
25	74·1	74·0	73·0	71·8	72·9	72·1	71·9	71·8	72·0	73·1	74·1	75·8	77·1	77·7	77·8	77·0	76·0	75·0	74·1	74·2	74·1	73·8	73·1	72·8	74·2
26	72·7	72·8	72·6	73·5	74·0	74·2	74·3	74·9	75·9	78·2	80·1	81·1	82·1	82·1	82·0	78·6	78·1	78·1	77·7	76·9	76·2	75·6	75·0	74·5	76·7
27	74·1	74·0	73·7	73·2	73·1	73·1	72·7	73·0	73·6	74·4	75·5	76·1	76·7	77·0	76·7	76·0	75·0	74·5	74·0	74·0	73·8	72·7	72·9	73·3	74·3
28	73·9	74·5	75·0	75·2	76·0	76·6	77·9	79·7	81·1	81·8	82·1	83·0	84·5	85·0	85·0	84·5	84·1	83·6	83·0	82·6	82·3	82·6	82·6	82·1	80·6
29	81·4	80·8	80·0	80·4	80·9	81·1	81·7	82·0	83·1	83·4	83·0	83·4	84·1	84·1	83·8	83·0	81·7	81·0	80·5	80·5	80·0	80·0	80·0	80·0	81·7
30	80·0	80·0	79·8	79·9	79·7	79·6	79·1	79·0	79·2	79·8	80·5	81·1	81·7	82·0	82·1	81·9	81·5	81·1	80·9	81·0	80·8	80·1	79·6	80·2	80·4
Mean ...	77·5	77·4	**77·3**	77·3	77·5	77·5	77·5	77·6	78·3	79·2	79·9	80·6	81·3	**81·4**	81·3	80·8	80·2	79·7	79·1	78·8	78·4	78·1	77·9	77·8	78·9

394. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

December, 1922.

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	80·4	80·9	81·0	81·4	81·1	81·0	80·9	80·5	80·0	80·9	81·6	81·6	82·0	82·0	80·3	80·2	80·5	80·6	81·0	80·5	80·5	80·1	80·1	80·3	80·8
2	80·4	80·4	80·3	80·1	80·1	80·1	80·0	79·7	79·9	80·1	81·3	81·9	82·3	82·2	82·0	81·3	81·1	81·0	81·0	80·8	80·9	81·1	81·7	82·0	80·9
3	81·9	81·6	81·1	81·0	81·1	81·1	81·1	81·0	81·5	81·9	82·0	82·0	82·0	82·1	82·0	81·9	81·9	81·5	81·4	80·6	80·9	80·6	80·4	80·2	81·4
4	80·0	79·9	79·7	79·6	79·5	79·4	79·4	79·5	79·7	80·4	81·0	82·0	82·1	82·3	82·2	82·0	81·8	81·7	81·5	81·5	81·2	81·1	81·0	81·0	80·8
5	80·9	80·8	80·7	80·6	80·5	80·5	80·3	80·5	81·0	81·5	82·1	82·4	82·9	83·0	83·0	82·6	82·4	82·5	82·8	82·8	82·9	83·0	83·0	82·8	81·9
6	82·0	81·5	81·1	80·5	80·0	79·9	79·6	79·4	79·7	80·5	81·0	81·1	81·6	81·7	81·1	80·7	80·2	80·0	79·7	79·4	78·8	78·6	78·1	77·8	80·3
7	77·5	77·5	76·c	75·5	75·1	75·5	75·1	74·7	75·6	76·4	77·8	78·8	80·0	80·9	80·8	80·8	80·5	80·1	80·5	80·5	80·8	81·0	81·0	81·1	78·4
8	81·4	80·9	80·8	81·0	81·0	81·0	79·6	79·6	79·0	78·6	78·8	79·1	79·2	79·6	79·7	79·2	79·2	79·0	78·7	77·9	77·2	76·5	75·3	74·5	79·2
9	73·2	72·7	72·0	72·1	72·8	72·8	72·6	72·7	71·9	72·7	72·6	73·3	75·1	77·1	77·7	77·0	76·6	76·1	75·4	75·4	75·4	75·7	76·2	77·3	**74·4**
10	77·6	77·8	78·0	77·9	77·7	77·3	77·2	76·9	77·1	77·8	78·5	79·0	79·2	79·5	79·2	79·1	78·9	78·7	78·5	78·3	78·2	78·2	78·1	78·3	78·2
11	78·1	78·1	78·0	77·7	77·5	77·5	77·2	77·2	77·3	77·8	78·0	78·1	78·1	78·0	77·9	77·6	76·9	76·9	77·0	77·5	77·8	77·9	78·1	78·5	77·7
12	78·6	78·5	78·5	78·6	78·7	79·0	79·1	79·4	79·9	80·0	80·2	80·6	80·7	80·9	81·0	81·0	81·0	80·9	80·7	80·8	80·9	80·7	80·9	81·0	80·0
13	80·8	81·2	81·4	81·9	82·3	82·4	82·7	83·0	83·3	83·5	83·7	83·8	83·8	83·6	83·5	83·8	83·8	83·4	83·3	83·3	82·9	82·9	82·8	82·8	**82·9**
14	82·7	82·4	82·3	82·2	81·9	81·3	80·1	80·2	80·8	81·3	81·5	81·8	82·2	82·1	82·1	81·9	81·1	81·6	81·7	81·7	81·4	81·8	81·8	81·5	81·7
15	81·6	81·6	81·3	80·9	80·9	80·8	79·6	78·4	77·7	77·9	79·5	81·3	82·0	82·4	81·9	80·5	79·5	79·2	79·5	80·0	80·0	80·0	79·9	80·0	80·3
16	80·2	80·7	80·6	80·0	79·0	79·9	80·7	81·2	81·5	82·0	82·1	81·5	81·5	81·5	81·1	81·2	81·1	80·5	80·0	80·0	80·5	80·5	80·6	80·0	80·7
17	79·0	79·6	79·9	79·5	78·5	78·0	77·6	77·0	77·0	77·5	78·2	79·0	79·6	79·1	78·7	77·9	78·0	77·9	78·0	77·9	77·9	77·9	78·0	78·0	78·4
18	78·1	78·4	78·4	78·7	79·0	79·4	79·4	79·7	79·6	80·0	81·5	82·0	81·9	82·4	82·2	81·1	81·3	80·7	80·1	79·6	80·0	80·1	80·1	79·5	80·1
19	79·0	78·6	78·7	77·6	77·5	77·9	78·0	78·0	78·9	79·9	80·8	81·1	81·9	81·5	81·7	81·1	79·7	79·4	78·1	77·5	78·1	78·4	78·9	79·0	79·2
20	79·6	80·1	79·9	79·3	80·0	81·0	82·0	82·7	80·6	79·0	77·6	78·0	79·0	79·1	79·8	79·7	79·0	78·3	78·2	78·0	77·5	77·2	77·0	76·5	79·2
21	76·4	76·2	75·9	75·9	75·8	75·9	75·7	75·8	76·7	78·2	79·3	79·8	80·5	80·9	80·4	80·3	79·8	79·7	80·2	80·8	81·0	81·4	82·3	82·4	78·7
22	82·3	82·2	81·5	81·5	81·2	80·0	80·2	80·8	80·6	81·1	82·1	82·4	82·8	81·6	81·2	81·1	80·9	80·5	80·9	80·7	80·3	80·6	80·2	80·2	81·2
23	80·1	80·1	80·1	80·2	80·0	80·3	80·8	80·7	80·4	80·7	81·1	81·8	81·7	81·8	81·0	80·2	79·3	79·5	78·7	78·2	77·9	77·7	77·1	76·9	79·9
24	76·3	76·0	75·7	75·6	75·3	75·0	74·6	74·4	74·7	75·4	76·9	77·8	78·0	78·5	78·0	77·1	76·3	75·6	75·4	75·1	74·7	74·3	73·8	74·3	75·8
25	73·8	74·0	74·6	75·8	76·8	77·4	78·3	79·3	80·0	80·6	81·1	80·5	80·2	80·6	80·7	80·6	80·9	80·5	80·6	80·6	81·0	81·0	80·3	79·8	79·0
26	78·9	78·0	77·3	76·8	76·4	76·3	76·3	76·3	76·3	76·6	77·6	78·9	80·0	80·4	80·0	79·0	77·6	77·0	76·5	76·7	76·2	76·4	75·9	76·2	77·5
27	76·5	76·9	76·6	76·8	77·1	77·7	78·5	79·0	79·4	80·0	80·9	80·9	80·3	80·5	80·0	78·5	77·9	77·1	76·5	76·0	75·9	75·3	75·8	75·8	77·9
28	75·6	75·5	75·5	75·6	75·9	75·9	76·0	75·9	75·4	75·9	77·2	77·9	78·7	79·2	78·6	78·2	77·8	77·6	78·1	78·5	78·7	78·8	78·8	79·1	77·2
29	79·3	80·1	81·6	81·6	81·1	81·0	80·7	80·7	80·1	81·1	81·6	82·6	82·9	82·9	82·1	81·7	81·9	81·3	81·7	82·1	82·1	82·3	82·4	82·3	81·5
30	82·0	79·2	79·4	79·1	79·0	78·2	78·0	77·9	79·2	80·4	80·4	81·0	80·7	81·0	80·5	80·1	79·7	79·7	78·9	78·2	77·8	79·0	78·9	78·8	79·5
31	78·6	78·7	78·5	78·5	78·2	78·1	77·8	77·8	77·3	77·5	77·5	77·6	77·6	77·8	77·9	78·0	77·8	77·7	77·5	77·2	76·7	76·9	76·9	76·5	77·7
Mean ...	79·1	79·0	78·9	78·8	78·7	78·8	78·7	**78·7**	78·8	79·3	79·9	80·3	80·7	**80·9**	80·6	80·2	79·8	79·5	79·4	79·3	79·2	79·3	79·2	79·2	79·4
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

TEMPERATURE: ANNUAL MEANS OF HOURLY VALUES.

From readings, in degrees absolute, at exact hours, Greenwich Mean Time.

395. Richmond (Kew Observatory) : North Wall Screen : $h_t = 3{\cdot}0$ metres. **1922.**

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
80·93	80·70	80·49	**80·30**	80·32	80·50	80·97	81·63	82·45	83·21	84·03	84·66	85·13	**85·43**	85·41	85·18	84·78	84·25	83·59	82·88	82·33	81·86	81·51	81·21	82·66

TEMPERATURE: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

396. Richmond (Kew Observatory) : North Wall Screen : $h_t = 3{\cdot}0$ metres. **1922.**

Month.	Mean.	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
Jan.	**277·75**	−0·60	−0·74	−0·80	−0·84	**−0·94**	−0·85	−0·85	−0·90	−0·61	−0·17	+0·40	+1·07	+1·51	**+1·73**	+1·57	+1·25	+0·68	+0·33	−0·03	−0·03	−0·06	−0·32	−0·32	−0·54
Feb.	278·38	−1·11	−1·32	−1·32	−1·38	−1·43	**−1·46**	−1·44	−1·23	−0·73	+0·03	+0·90	+1·56	+2·15	**+2·30**	**+2·30**	+2·02	+1·34	+0·74	+0·29	−0·10	−0·30	−0·44	−0·59	−0·77
Mar.	278·42	−1·05	−1·00	−1·07	−1·20	−1·32	**−1·44**	−1·43	−1·06	−0·36	+0·29	+0·99	+1·55	+1·87	**+2·17**	**+2·17**	+1·98	+1·54	+0·83	+0·22	−0·20	−0·58	−0·77	−0·96	−1·06
April	279·56	−1·75	−2·03	−2·34	−2·57	**−2·82**	−2·81	−2·21	−1·25	−0·19	+0·69	+1·58	+2·15	+2·76	**+3·08**	+2·98	+2·80	+2·51	+1·94	+0·94	+0·17	−0·34	−0·75	−1·08	−1·46
May	287·31	−3·72	−4·22	−4·73	**−5·17**	−5·00	−3·96	−2·46	−1·07	+0·13	+1·16	+2·19	+3·17	+3·83	+4·44	**+4·80**	+4·77	+4·67	+4·32	+2·96	+1·03	−0·30	−1·40	−2·34	−3·09
June	**288·40**	−2·91	−3·31	−3·78	**−4·06**	−3·72	−2·96	−1·95	−0·76	+0·38	+1·06	+1·87	+2·47	+2·82	+3·29	+3·54	**+3·64**	+3·43	+3·01	+2·39	+1·01	−0·16	−1·13	−1·82	−2·39
July	288·05	−2·32	−2·64	−2·94	**−3·26**	−2·99	−2·34	−1·48	−0·53	+0·37	+1·04	+1·67	+2·26	+2·58	+2·78	**+2·93**	+2·72	+2·44	+2·34	+1·70	+0·67	−0·34	−1·14	−1·57	−1·99
Aug.	287·70	−2·07	−2·51	−2·75	**−3·10**	−2·98	−2·96	−2·01	−0·95	+0·17	+0·68	+1·75	+2·31	+2·84	**+3·19**	+2·96	+2·92	+2·75	+2·20	+1·38	+0·39	−0·25	−0·82	−1·34	−1·77
Sept.	285·76	−1·93	−2·12	−2·25	−2·38	−2·59	**−2·72**	−2·12	−1·20	−0·14	+0·94	+1·91	+2·46	+2·91	+3·14	**+3·24**	+2·96	+2·55	+1·61	+0·70	+0·04	−0·58	−1·15	−1·48	−1·70
Oct.	281·92	−1·50	−1·67	−1·88	−2·05	−2·09	**−2·26**	−2·23	−1·47	−0·29	+0·81	+1·77	+2·41	+2·81	**+3·12**	+2·87	+2·49	+1·75	+0·86	+0·31	−0·12	−0·44	−0·75	−1·08	−1·27
Nov.	278·85	−1·29	−1·38	**−1·54**	−1·52	−1·34	−1·34	−1·33	−1·20	−0·57	+0·33	+1·05	+1·74	+2·41	**+2·55**	+2·44	+1·96	+1·37	+0·79	+0·23	−0·10	−0·50	−0·76	−0·99	−1·11
Dec.	279·43	−0·36	−0·44	−0·56	−0·65	−0·72	−0·70	**−0·78**	−0·74	−0·68	−0·19	+0·41	+0·88	+1·24	**+1·43**	+1·17	+0·76	+0·42	+0·15	+0·02	−0·10	−0·15	−0·12	−0·17	−0·20
Year	282·63	−1·72	−1·95	−2·16	**−2·35**	−2·33	−2·15	−1·69	−1·03	−0·21	+0·56	+1·37	+2·00	+2·48	**+2·77**	+2·75	+2·52	+2·12	+1·59	+0·93	+0·22	−0·33	−0·80	−1·15	−1·45

ABSOLUTE EXTREMES OF TEMPERATURE FOR EACH DAY.

Maximum and Minimum for the interval 0*h. to* 24*h., Greenwich Mean Time.*

397. Richmond (Kew Observatory) : North Wall Screen : $h_t = 3{\cdot}0$ metres. **1922.**

Month	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	85·3	76·3	81·5	73·2	84·7	77·9	78·6	72·5	84·6	77·4	**02·0**	87·2	91·0	84·8	91·6	82·1	88·6	79·3	**91·2**	86·0	85·0	76·9	82·1	80·0
2	**87·0**	79·5	84·3	74·8	83·0	77·5	80·8	**69·8**	85·8	78·1	01·0	87·6	92·1	85·4	91·8	82·1	89·8	80·8	90·1	80·2	80·5	74·1	82·4	79·6
3	79·6	74·1	84·4	81·9	**86·3**	79·5	76·3	73·9	84·8	77·3	92·4	84·4	92·2	84·0	92·8	83·7	90·8	80·3	90·4	83·2	79·1	75·3	82·2	80·2
4	75·6	73·3	82·0	72·7	85·0	79·0	80·9	74·0	87·1	79·7	94·2	80·9	89·3	**80·9**	92·0	85·0	88·2	84·1	91·0	86·5	80·4	73·9	82·4	79·3
5	75·9	73·1	73·2	70·9	85·5	79·4	83·6	72·1	87·3	79·3	95·7	81·3	90·2	83·6	92·7	83·6	93·0	85·4	90·0	84·8	80·5	71·6	83·2	80·3
6	78·0	73·5	75·1	70·4	85·6	81·5	82·0	75·8	91·1	78·0	96·2	84·2	90·2	83·5	90·4	86·2	93·3	85·1	86·3	81·2	**85·8**	79·5	82·8	77·8
7	79·8	74·1	76·4	**70·0**	82·7	78·0	79·6	75·0	94·9	77·7	96·9	84·6	90·3	82·6	92·6	85·5	92·4	80·1	87·4	81·4	85·1	78·1	81·3	74·5
8	85·0	76·0	78·3	70·7	82·0	77·0	80·5	73·9	98·2	80·1	91·5	83·3	92·5	83·4	93·9	84·6	89·6	83·1	85·9	79·3	83·1	78·6	81·5	74·3
9	80·1	81·0	79·0	72·2	83·3	74·6	81·4	73·9	96·0	83·3	97·0	86·0	89·3	84·2	91·1	84·3	87·0	80·3	86·4	81·8	83·5	74·4	77·7	**71·1**
10	85·2	76·9	79·4	73·2	79·3	74·0	83·6	73·8	86·2	80·1	95·5	84·2	92·4	82·0	89·6	82·4	87·5	78·5	84·5	78·3	84·1	76·0	79·5	76·7
11	80·6	75·1	79·2	72·1	82·5	72·7	84·1	76·0	83·6	79·0	94·4	84·3	92·7	82·5	90·1	80·5	90·2	80·1	84·5	75·5	83·3	76·8	78·5	76·5
12	79·2	72·8	75·1	71·2	84·2	76·1	84·2	77·0	83·8	76·3	97·5	83·3	95·4	82·1	90·5	82·0	88·3	78·8	88·6	73·9	79·5	72·7	81·1	78·4
13	73·7	69·9	79·3	72·7	80·0	76·9	85·8	80·0	85·4	**74·7**	93·8	81·3	91·3	85·2	91·2	85·7	89·5	79·2	89·2	78·3	80·8	73·0	**83·9**	80·8
14	77·0	73·7	78·5	70·1	83·8	77·2	**92·7**	84·5	90·0	75·4	84·8	80·9	91·4	84·9	91·3	82·4	89·1	78·4	91·1	78·0	75·1	72·6	82·8	80·0
15	76·1	72·4	80·4	75·7	80·1	77·8	87·8	81·6	91·1	77·5	86·7	81·4	90·9	82·7	91·6	82·6	88·2	79·4	87·9	77·1	81·9	73·3	82·6	77·3
16	78·0	74·3	84·0	78·4	80·5	76·5	83·0	78·7	90·8	78·9	93·9	**80·4**	88·0	81·3	93·0	82·1	88·3	76·9	88·2	80·9	79·0	72·8	82·1	79·0
17	76·1	71·5	84·4	77·4	79·8	77·1	80·9	75·0	91·0	82·0	88·7	83·5	91·0	84·6	91·6	85·1	90·4	83·3	85·9	81·7	82·8	79·0	80·0	76·9
18	79·9	**69·8**	80·6	74·8	82·8	77·2	81·3	74·5	89·8	82·9	92·6	83·2	91·3	84·0	91·5	84·3	88·0	80·3	85·3	80·6	84·4	78·7	82·6	78·0
19	81·5	78·0	83·1	73·4	79·5	76·5	86·0	76·5	93·0	82·9	97·0	87·6	93·9	82·2	94·0	82·1	89·3	83·4	82·8	78·9	81·9	76·6	82·0	77·4
20	80·6	75·0	81·0	75·9	78·0	73·5	86·3	72·1	96·9	83·7	93·5	85·0	95·5	83·0	93·0	84·2	93·1	86·2	80·2	77·5	82·0	78·0	82·7	76·5
21	81·7	78·0	83·1	75·0	77·4	72·2	85·2	74·0	00·8	83·9	94·5	84·5	**97·2**	87·3	**95·5**	82·0	**94·4**	86·0	85·1	77·0	82·0	79·7	82·4	75·4
22	81·9	73·6	83·1	74·9	76·4	72·9	80·3	76·7	03·0	87·1	92·3	81·5	94·0	87·3	92·6	86·8	92·6	85·1	83·7	78·3	81·7	79·0	83·1	79·9
23	77·9	74·3	87·0	82·4	79·4	72·3	86·0	75·7	03·2	89·9	91·9	84·9	91·4	87·0	89·9	83·6	87·3	84·7	83·3	77·5	82·3	78·0	81·9	76·9
24	74·4	69·9	86·7	82·1	80·1	74·0	84·6	78·1	**03·3**	87·9	90·9	83·7	89·2	83·5	90·3	81·5	87·7	80·1	84·0	76·8	83·4	74·6	78·8	72·9
25	82·5	71·6	**87·6**	80·9	81·9	72·3	84·9	77·8	99·0	89·6	89·5	83·5	94·4	83·4	90·1	82·6	88·5	77·6	83·0	75·6	77·9	**71·1**	81·2	73·6
26	83·0	77·4	85·0	81·0	80·1	**70·5**	82·4	76·2	94·5	85·0	89·2	82·3	93·2	84·7	91·9	**79·4**	90·3	85·1	80·8	**70·9**	82·2	72·3	80·5	75·9
27	80·2	77·1	84·9	78·4	80·2	74·1	82·1	77·2	94·1	83·0	93·0	85·4	93·9	87·1	93·7	84·7	88·7	83·3	81·5	73·6	77·1	72·5	81·0	75·2
28	83·4	78·0	85·3	80·3	80·2	74·3	84·0	75·7	95·1	82·9	90·6	83·0	94·7	84·8	94·0	86·4	90·6	83·6	79·9	73·0	85·1	73·3	79·2	75·3
29	82·9	78·5	—	—	79·1	74·3	87·2	73·6	99·1	82·2	89·7	80·9	95·0	82·0	94·3	86·0	87·6	79·2	78·8	74·1	84·4	79·9	83·0	79·1
30	82·2	78·0	—	—	78·3	74·2	85·1	76·1	00·0	83·7	90·5	82·4	92·6	85·5	90·2	85·5	87·7	**76·7**	80·6	76·6	82·2	79·0	82·3	77·7
31	82·5	76·7	—	—	77·1	74·1	—	—	00·5	86·0	—	—	92·8	83·2	90·2	81·8	—	—	82·3	76·2	—	—	78·8	76·4
Mean	80·4	74·9	81·5	75·2	81·3	75·6	83·4	75·7	93·0	81·5	93·2	83·6	92·2	84·0	91·9	83·6	89·7	81·5	85·5	78·5	81·9	75·7	81·5	77·2

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Percentages, at exact hours, Greenwich Mean Time, determined as explained on page 13.

398. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

January, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	88	89	88	82	85	85	85	83	84	85	82	75	77	77	78	78	78	78	80	81	79	81	81	83	81·9	9·6
2	82	82	83	83	83	84	83	81	78	76	73	70	75	68	70	69	73	73	59	63	59	62	64	68	73·7	9·8
3	68	73	69	68	71	72	74	76	82	85	81	79	73	68	71	67	78	77	79	83	79	75	72	64	74·4	6·1
4	65	64	65	62	63	65	70	55	60	60	57	55	57	51	51	56	59	61	59	58	60	59	59	61	**59·7**	4·0
5	58	61	67	72	71	72	72	76	79	81	71	64	65	64	65	65	66	66	67	67	68	70	70	70	68·4	4·5
6	69	69	74	75	80	82	84	86	84	84	81	82	76	75	78	80	83	86	91	90	90	93	96	93	82·1	6·0
7	92	93	96	98	98	99	100	97	95	96	98	98	94	95	100	96	95	97	98	98	97	100	99	100	96·9	8·0
8	100	100	100	99	100	97	100	100	99	97	93	77	73	72	70	71	81	85	91	89	88	92	89	94	90·0	9·4
9	97	98	100	96	96	96	96	90	89	90	88	83	79	79	80	79	80	83	84	82	80	83	84	86	87·6	**11·7**
10	85	91	91	90	92	92	88	90	88	82	79	75	66	62	66	74	84	86	90	91	87	87	87	88	83·7	9·6
11	88	93	95	89	90	86	90	89	87	85	80	72	70	74	73	73	75	67	85	77	71	76	76	75	81·0	6·8
12	74	73	73	76	76	75	75	79	75	73	71	68	67	67	69	73	78	78	81	87	89	97	93	93	77·1	5·7
13	93	92	96	91	89	92	93	95	95	96	96	96	90	94	94	97	96	94	96	97	90	89	87	87	93·3	5·2
14	89	87	83	76	76	79	79	83	85	82	80	79	77	72	77	79	79	85	92	87	87	92	85	83	82·3	5·9
15	82	77	79	80	82	84	77	80	80	71	80	78	85	91	90	92	96	97	96	95	95	94	93	92	85·9	5·6
16	90	94	86	83	84	83	80	83	84	83	76	74	70	72	69	72	73	73	79	78	80	79	78	80	79·5	5·9
17	83	85	84	96	93	96	95	84	81	83	82	79	71	70	70	73	82	85	84	87	87	87	87	93	83·7	5·6
18	94	90	98	94	93	92	87	98	92	79	82	82	81	76	79	85	94	97	93	94	98	98	94	97	90·2	6·4
19	95	98	97	95	98	96	94	97	95	96	96	91	88	92	92	91	92	97	93	92	93	95	95	98	94·4	9·6
20	94	95	95	98	98	98	97	100	100	100	99	98	97	95	70	73	83	85	88	90	90	90	89	88	92·3	7·6
21	89	85	87	89	87	87	87	85	87	87	91	93	93	95	95	95	96	98	96	96	97	97	97	100	91·8	9·1
22	97	100	100	98	99	100	100	100	100	100	100	98	97	91	85	94	100	100	100	100	100	100	100	100	**98·3**	7·7
23	97	97	97	100	100	98	96	94	92	85	83	83	84	83	86	85	85	81	76	77	77	75	73	75	87·2	6·6
24	72	72	71	65	65	69	69	64	59	61	61	57	57	59	54	62	62	59	59	61	59	59	67	73	63·2	**3·4**
25	81	85	83	85	85	83	83	87	91	91	93	92	93	94	94	97	94	93	97	96	97	96	98	100	90·6	7·5
26	98	100	97	98	97	96	96	100	97	95	95	91	88	88	94	93	98	100	98	97	100	100	100	100	96·5	10·1
27	100	100	100	100	100	100	100	100	100	100	100	100	97	95	93	88	88	90	90	95	93	94	94	97	96·5	8·7
28	100	100	100	96	100	94	95	98	95	94	86	80	77	78	77	83	84	85	86	85	87	87	92	93	89·7	9·4
29	91	94	93	97	95	95	94	95	94	90	89	84	80	81	82	80	84	89	85	85	90	95	93	94	89·5	9·3
30	94	95	97	97	93	95	97	94	97	97	94	83	80	81	90	92	85	86	92	89	94	95	95	94	91·9	9·1
31	100	100	100	100	100	98	98	98	97	100	94	92	85	86	87	89	90	91	94	95	98	97	97	98	95·1	9·1
Mean ...	87·3	88·1	**88·5**	88·0	88·4	88·4	88·2	88·3	87·8	86·6	84·9	81·5	79·4	**78·9**	79·0	80·7	83·6	84·6	85·7	85·9	85·8	86·9	86·6	87·6	85·4	†7·5
Vapour Pressure* ...	mb. 7·1	mb. 7·1	mb. 7·1	mb. 7·1	mb. **7·0**	mb. 7·1	mb. 7·1	mb. **7·0**	mb. 7·1	mb. 7·4	mb. 7·5	mb. 7·5	mb. 7·5	mb. **7·6**	mb. 7·5	mb. 7·5	mb. 7·5	mb. 7·5	mb. 7·3	mb. 7·3	mb. 7·3	mb. 7·2	mb. 7·2	mb. 7·2	mb. ‡7·3	

399. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

February, 1922.

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	98	99	99	99	98	100	98	98	98	94	93	72	67	67	65	72	82	85	89	89	91	92	95	98	89·1	7·3
2	100	97	94	94	97	94	95	95	95	97	95	96	95	96	95	91	88	92	92	91	96	93	92	92	94·4	9·9
3	93	93	91	90	92	87	86	83	88	96	87	87	78	70	70	70	73	78	81	84	84	83	83	83	84·0	9·8
4	81	83	86	86	90	91	91	95	93	91	90	96	93	91	87	89	92	92	83	73	79	73	73	73	86·5	6·7
5	71	71	72	72	78	76	78	78	78	68	58	66	60	58	59	64	62	61	55	61	64	51	45	57	**65·5**	**3·8**
6	64	71	67	69	67	67	74	76	76	67	57	62	65	64	65	66	70	70	76	74	76	76	76	74	69·2	4·1
7	83	83	84	87	83	74	70	76	76	72	68	64	69	69	69	69	72	72	75	77	77	75	75	70	74·6	4·6
8	68	71	74	76	72	74	71	71	76	75	61	56	57	56	53	55	59	61	68	68	64	67	69	66	66·3	4·4
9	66	67	68	69	69	75	77	65	63	58	56	50	57	57	53	56	65	70	77	78	76	77	76	75	66·5	4·8
10	73	72	71	71	72	71	67	67	66	62	61	59	54	58	57	55	63	67	72	79	81	83	83	79	68·4	5·0
11	79	81	81	81	85	89	89	84	81	71	66	60	57	60	55	58	63	68	72	72	76	75	77	75	73·2	5·2
12	72	79	75	73	72	74	74	74	67	69	69	75	73	66	65	66	66	69	72	73	75	77	77	88	72·2	4·5
13	84	87	87	85	91	93	91	87	87	81	81	71	73	70	67	70	75	81	88	83	89	93	95	93	83·3	6·2
14	93	94	94	94	93	96	93	99	91	85	79	72	68	62	60	64	73	72	76	76	72	73	76	73	80·8	5·5
15	71	74	71	74	75	78	82	77	73	72	75	79	83	87	93	94	97	97	97	98	97	97	100	100	84·5	7·7
16	98	98	100	100	100	100	100	100	100	96	91	88	85	85	91	91	92	93	95	95	93	92	93	93	**94·7**	10·4
17	95	95	96	96	95	95	93	93	93	91	92	87	84	83	78	76	81	84	73	77	78	83	85	83	87·1	9·9
18	85	87	87	85	92	89	85	84	82	75	68	61	59	60	58	56	58	67	72	75	76	77	81	81	75·0	6·3
19	83	87	85	87	91	88	89	87	85	91	93	94	91	93	95	92	91	91	88	88	81	84	81	66	87·8	7·9
20	73	81	80	77	80	85	85	83	73	66	66	64	58	58	60	63	70	76	82	92	90	91	92	93	76·0	6·8
21	90	90	87	85	85	85	81	82	89	87	81	75	57	57	58	73	80	82	90	93	93	97	93	97	82·7	7·9
22	97	91	93	91	90	85	84	84	84	84	79	70	64	65	64	65	75	81	84	87	93	95	90	90	82·8	7·9
23	87	88	86	86	87	90	92	91	90	89	81	71	77	76	80	83	85	88	88	89	89	91	91	92	86·1	**11·5**
24	93	92	92	91	92	91	91	91	88	88	82	78	77	80	80	76	76	77	80	77	80	85	87	85	84·7	**11·5**
25	85	85	84	87	89	89	88	85	82	78	69	68	67	67	64	62	68	72	75	74	74	73	73	78	76·6	10·0
26	83	87	89	89	85	85	83	82	79	76	75	84	86	87	90	91	93	92	88	87	88	87	83	86	85·5	10·2
27	87	89	87	90	87	85	90	87	79	77	69	63	63	63	72	74	75	76	81	77	78	77	77	83	78·6	8·9
28	85	89	90	87	88	74	79	77	74	65	63	55	57	55	58	65	70	79	80	81	82	85	92	92	75·7	9·0
Mean ...	83·5	85·0	84·6	84·7	**85·5**	85·0	84·9	84·0	82·4	79·3	75·2	72·3	70·5	**70·0**	70·0	71·6	75·5	78·3	80·3	81·0	81·9	82·2	82·5	82·7	79·7	†7·4
Vapour Pressure* ...	mb. **6·9**	mb. **6·9**	mb. **6·9**	mb. **6·9**	mb. **6·9**	mb. **6·9**	mb. **6·9**	mb. **6·9**	mb. **6·9**	mb. 7·1	mb. 7·1	mb. 7·1	mb. **7·3**	mb. **7·3**	mb. **7·3**	mb. **7·3**	mb. **7·3**	mb. **7·3**	mb. **7·3**	mb. 7·2	mb. 7·2	mb. 7·1	mb. 7·1	mb. 7·0	mb. ‡7·1	

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. ‡ Mean of the row.

Percentages, at exact hours, Greenwich Mean Time, determined as explained on page 13.

400. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

March, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	84	82	76	73	74	75	75	81	83	81	89	76	73	64	82	82	79	85	85	86	90	80	83	85	80·3	9·1
2	87	90	88	93	91	91	89	85	76	70	64	60	57	53	56	54	58	68	77	78	81	77	82	93	75·6	7·4
3	95	93	95	95	93	95	96	97	93	93	89	86	85	87	87	87	87	87	87	89	88	89	90	89	**90·6**	**11·8**
4	90	88	89	91	92	93	92	90	89	85	86	77	74	82	87	86	72	67	70	79	83	87	89	89	84·5	10·3
5	89	91	90	87	88	85	85	89	83	87	84	83	83	80	74	73	77	77	76	78	82	82	89	89	83·4	10·3
6	91	92	90	92	93	93	92	89	85	77	73	65	68	71	75	79	78	86	83	83	89	86	89	87	83·6	10·5
7	86	86	88	83	81	85	87	79	71	70	67	63	63	78	87	81	81	87	83	84	85	84	86	86	80·5	8·3
8	85	87	83	86	91	95	82	87	83	90	80	83	81	67	61	57	65	76	72	74	87	85	84	81	80·2	7·7
9	85	85	88	89	89	87	85	87	77	73	65	60	53	55	52	54	54	63	70	70	76	85	89	93	74·1	6·9
10	96	89	89	90	87	87	87	77	70	63	57	55	57	55	53	59	58	70	74	76	80	80	85	85	74·3	5·9
11	86	85	93	90	89	90	89	92	83	66	61	56	56	56	55	57	62	66	73	87	88	90	87	87	76·8	6·4
12	90	91	92	95	90	95	97	97	93	85	75	69	65	58	58	61	62	66	71	75	77	81	87	90	80·0	7·9
13	90	90	90	94	97	97	93	94	90	86	89	82	77	77	77	76	73	75	78	81	80	81	81	81	84·7	7·7
14	83	81	81	82	84	85	87	87	81	78	68	64	62	60	65	67	68	77	80	82	85	85	85	85	77·5	7·6
15	85	86	91	87	86	89	85	87	84	79	81	82	81	80	79	77	79	79	80	83	83	82	82	83	83·0	7·8
16	83	83	82	80	78	83	87	85	83	77	80	79	77	77	76	75	75	75	77	81	82	81	83	87	80·2	7·5
17	87	90	93	89	92	95	92	92	91	92	90	88	79	78	75	75	78	80	83	83	84	87	86	86	86·1	7·5
18	87	87	87	90	89	87	88	87	83	83	80	77	70	70	65	66	70	74	80	83	87	88	87	87	81·3	7·6
19	87	88	89	87	85	85	84	80	77	79	76	75	72	71	70	71	71	76	77	75	77	77	77	89	78·9	6·9
20	81	81	85	83	85	87	88	82	87	74	63	66	63	65	67	66	67	64	68	72	71	72	72	72	74·6	5·8
21	75	75	75	75	75	74	77	76	75	71	61	60	73	66	58	61	65	68	69	72	70	68	65	62	69·6	4·6
22	61	65	68	72	75	71	69	66	65	68	61	58	53	53	54	53	53	57	62	65	66	67	68	70	63·2	**4·1**
23	71	72	72	73	72	72	71	72	69	59	54	49	49	52	52	52	57	57	62	62	60	60	63	64	**62·5**	4·5
24	67	65	67	67	67	69	66	69	58	59	54	54	55	54	55	60	63	69	71	80	83	89	92	91	67·1	5·3
25	94	95	94	91	90	92	92	92	84	77	72	61	57	56	46	54	66	72	75	80	84	87	89	94	78·9	6·8
26	94	94	95	96	96	98	98	96	95	91	83	72	72	70	79	88	84	85	89	87	85	81	84	87	87·6	6·3
27	87	87	87	90	93	91	87	83	79	76	73	73	63	62	67	61	82	77	83	88	90	93	93	93	81·5	6·4
28	91	87	85	87	88	91	90	85	78	83	73	73	76	70	64	64	69	73	76	83	81	79	83	83	79·9	6·5
29	87	87	90	90	88	85	85	83	74	68	60	56	57	57	58	61	57	61	64	67	70	74	75	73	72·2	5·7
30	76	75	76	80	83	83	83	80	76	72	68	73	73	74	74	83	93	95	93	93	97	97	97	93	82·4	6·1
31	95	96	93	95	89	87	85	81	75	70	65	65	64	67	61	56	58	64	66	64	68	69	73	71	74·5	5·4
Mean ...	85·3	85·3	85·8	86·2	86·1	**86·8**	85·9	84·7	80·3	76·8	72·3	69·0	67·3	**66·6**	66·7	67·6	69·7	73·4	75·9	78·7	80·9	81·4	83·1	84·0	78·4	†7·2
Vapour Pressure* ...	mb. 7·1	mb. 7·1	mb. **7·2**	mb. 7·1	mb. 7·1	mb. 7·0	mb. 7·0	mb. 7·1	mb. 7·0	mb. **7·2**	mb. 6·9	mb. 6·9	mb. **6·8**	mb. 7·0	mb. 7·0	mb. 7·0	mb. 6·9	mb. 6·9	mb. 6·9	mb. 6·9	mb. 6·9	mb. **6·8**	mb. 6·9	mb. 6·9	mb. ‡7·0	

401. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

April, 1922.

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	72	69	75	77	80	74	71	69	65	60	63	68	71	68	63	59	51	59	61	59	65	72	73	82	67·5	5·1
2	78	83	83	78	74	80	92	78	59	52	53	55	51	55	57	55	55	54	63	69	71	77	70	72	67·5	**4·9**
3	76	80	75	75	76	80	91	93	95	93	93	96	97	96	93	93	93	94	96	93	88	93	91	87	88·7	6·3
4	87	88	90	85	87	87	85	81	77	77	69	66	59	51	53	55	60	66	73	81	80	80	85	89	75·4	6·1
5	87	88	90	91	92	92	92	91	84	73	67	63	66	58	56	56	57	62	66	67	73	76	78	87	75·5	6·6
6	94	94	92	93	90	93	90	90	87	83	69	65	58	54	49	55	63	64	76	76	80	77	83	87	77·6	7·0
7	95	98	97	91	89	89	85	76	71	75	77	80	78	84	87	87	90	90	90	88	88	88	91	94	86·5	7·2
8	97	100	98	95	98	98	97	95	90	88	83	82	83	80	76	74	73	79	83	91	97	93	98	99	**89·3**	7·6
9	98	98	99	99	98	98	98	97	92	89	83	84	72	71	63	67	78	88	90	90	87	90	91	88	88·0	7·1
10	93	96	97	97	97	98	90	88	85	78	73	69	61	55	51	66	63	57	73	75	77	78	76	79	78·2	7·0
11	80	81	83	87	89	85	83	76	73	68	62	54	54	59	58	53	56	63	69	68	71	76	79	79	71·1	7·3
12	85	87	91	95	94	95	93	85	82	92	93	92	86	86	87	91	89	90	90	91	91	87	82	83	89·0	10·0
13	84	83	87	85	84	80	80	75	67	67	62	64	57	61	63	71	82	88	93	96	96	96	96	92	79·3	9·2
14	90	87	84	81	80	77	75	69	67	61	66	61	53	53	53	53	56	61	64	62	61	64	63	60	67·4	**11·4**
15	62	64	65	69	69	69	68	66	63	60	60	61	57	53	52	56	57	64	70	76	78	76	75	77	**64·9**	9·0
16	77	76	78	84	79	80	75	75	69	67	68	65	71	69	77	86	90	87	87	87	87	87	85	78	78·5	8·1
17	83	81	76	77	79	81	75	74	70	68	66	71	60	56	72	70	68	71	71	76	77	80	84	84	73·6	6·4
18	84	84	81	84	80	81	80	75	71	68	65	64	70	66	59	61	64	72	75	80	84	85	84	84	75·0	6·6
19	88	85	84	84	84	85	82	80	73	62	56	50	48	50	54	52	51	52	57	69	73	79	80	86	69·3	7·5
20	89	91	93	96	96	98	98	95	84	71	53	50	45	43	44	45	45	45	65	70	72	75	83	84	72·1	6·9
21	88	93	97	97	95	93	90	81	75	72	66	65	60	60	55	51	52	55	55	71	77	82	87	88	75·1	7·3
22	89	89	94	95	97	98	98	95	91	93	90	86	86	85	87	82	80	76	81	83	83	84	87	87	88·2	8·2
23	87	87	91	91	93	92	87	81	73	64	60	62	55	56	65	59	70	58	63	68	73	81	84	84	74·4	8·0
24	85	85	83	86	73	77	73	66	63	62	61	63	59	55	55	55	57	66	70	65	71	73	79	76	69·3	7·5
25	77	77	75	75	76	75	69	63	59	56	53	51	51	51	55	66	68	79	93	94	94	98	93	97	72·3	7·5
26	92	89	89	89	87	88	87	87	81	72	71	66	59	61	60	69	65	66	71	75	78	82	83	81	77·3	7·5
27	84	88	88	89	88	89	83	88	76	94	64	58	76	71	81	75	69	69	81	80	84	85	88	90	79·3	7·3
28	90	92	89	90	91	89	87	84	74	66	58	58	50	52	57	53	57	60	66	67	73	80	85	87	73·2	7·3
29	89	93	93	100	98	100	97	85	73	67	58	54	50	50	46	53	51	59	63	76	85	86	91	86	75·2	7·7
30	85	91	88	89	95	88	76	71	67	63	63	56	50	56	50	51	50	54	57	63	64	66	73	77	68·7	7·5
Mean ...	85·5	86·6	86·8	**87·5**	86·9	87·0	84·9	81·0	75·2	71·0	67·5	66·0	63·1	**62·2**	62·6	64·0	65·3	68·3	73·7	76·9	79·3	81·5	83·2	84·1	76·2	†7·4
Vapour Pressure* ...	mb. 7·3	mb. 7·3	mb. 7·1	mb. 7·0	mb. **6·9**	mb. **6·9**	mb. 7·1	mb. 7·1	mb. 7·2	mb. 7·2	mb. 7·2	mb. 7·3	mb. 7·3	mb. 7·4	mb. 7·5	mb. 7·5	mb. 7·5	mb. 7·5	mb. **7·7**	mb. 7·6	mb. 7·5	mb. 7·5	mb. 7·5	mb. 7·4	mb. 7·3‡	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. ‡ Mean of the row.

Percentages, at exact hours, Greenwich Mean Time, determined as explained on page 13.

402. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

May, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	81	84	85	85	89	90	88	83	80	66	60	68	71	75	70	71	87	84	85	93	91	90	90	93	81·3	8·1
2	93	94	93	93	93	89	85	82	79	73	70	65	63	59	56	54	51	51	59	66	72	79	80	82	74·4	8·1
3	83	84	87	84	89	81	81	80	80	83	77	81	70	74	79	86	91	91	91	93	96	87	89	92	84·3	9·7
4	93	97	93	95	94	93	87	77	73	67	65	56	63	71	77	55	50	52	55	55	62	68	77	80	73·4	9·1
5	81	85	86	86	85	85	84	88	69	76	75	64	55	53	49	49	53	55	62	64	63	70	75	80	70·5	8·4
6	81	83	86	87	88	80	75	72	70	65	61	61	57	56	54	53	50	49	60	63	63	68	75	76	68·1	9·3
7	85	91	91	91	94	89	85	69	57	53	56	53	48	46	45	45	43	45	50	55	74	82	83	89	67·2	10·2
8	91	89	93	94	93	92	75	72	63	58	50	46	40	39	35	34	37	37	42	51	55	59	68	72	62·3	11·8
9	72	69	76	87	82	83	69	67	63	59	58	56	51	47	47	55	58	61	61	71	78	79	79	81	66·9	12·4
10	82	83	86	89	85	84	82	79	77	72	65	67	65	66	65	66	69	68	69	68	71	78	79	75	74·7	9·3
11	75	73	74	76	76	77	75	72	66	63	64	63	63	64	62	64	66	69	62	66	74	79	78	77	69·9	7·6
12	83	84	85	83	80	76	75	66	64	60	57	56	54	51	54	61	69	68	69	72	77	82	78	80	70·1	7·0
13	80	81	81	81	81	79	70	67	56	55	53	52	50	48	49	49	49	49	55	65	66	68	76	80	64·2	**6·6**
14	87	91	93	97	100	97	91	80	69	59	55	54	53	51	51	54	51	50	53	59	65	65	75	79	67·0	8·9
15	82	86	90	91	93	85	83	77	71	60	59	55	52	50	45	47	49	51	54	61	68	67	72	79	67·8	9·2
16	80	83	85	85	83	77	71	67	61	55	61	58	57	53	51	49	49	48	56	65	73	81	84	85	67·3	9·4
17	82	85	91	93	93	92	96	91	92	90	89	88	86	86	82	75	63	69	73	78	80	84	86	85	**84·5**	12·0
18	86	86	87	86	86	83	80	74	70	74	61	61	65	58	57	61	56	57	61	63	70	75	82	91	72·0	10·8
19	91	91	89	87	86	83	86	86	83	85	84	78	69	57	53	53	51	54	59	66	72	78	81	84	75·4	12·3
20	87	89	89	91	88	82	78	74	70	70	70	68	63	58	55	53	52	51	57	71	79	80	86	90	72·8	13·7
21	94	96	92	97	97	90	80	76	68	65	59	53	48	43	40	43	42	44	47	58	67	72	78	89	68·3	15·8
22	88	93	93	96	92	86	73	69	63	59	45	43	39	38	38	37	39	41	57	61	62	71	75	73	64·1	**17·7**
23	76	83	83	89	90	79	71	65	61	49	48	52	46	45	41	40	39	39	45	63	63	67	67	74	61·4	17·4
24	89	83	85	88	93	86	79	71	64	57	51	48	47	46	41	43	46	39	47	57	64	68	75	77	64·3	17·6
25	79	86	81	81	90	90	88	82	74	70	68	64	55	59	65	59	62	60	64	75	81	73	74	75	73·2	17·3
26	81	83	85	88	88	93	90	87	84	73	68	64	58	56	57	60	61	61	60	71	76	82	79	75	74·2	13·8
27	77	82	89	91	91	75	69	58	56	56	54	53	49	47	44	47	48	45	52	49	52	56	59	74	61·4	11·1
28	82	84	85	77	73	69	64	55	54	52	52	50	45	43	45	48	49	50	49	51	60	59	76	79	**60·4**	10·9
29	82	87	91	95	93	85	67	60	52	50	47	44	41	42	41	41	40	42	47	51	61	76	79	80	62·2	12·7
30	82	91	92	93	93	88	79	70	56	54	43	42	41	39	39	36	39	39	53	57	61	65	79	78	62·9	14·1
31	83	85	90	94	86	77	72	67	60	56	44	43	41	41	40	40	40	45	47	55	58	63	69	73	61·3	14·9
Mean ...	83·5	85·8	87·3	**88·7**	88·5	84·3	79·0	73·7	67·9	64·0	60·3	58·3	55·0	53·6	**52·5**	52·5	53·2	53·7	58·1	64·3	69·5	73·3	77·5	80·5	69·4	11·5†
Vapour Pressure.* ...	mb. 10·4	mb. 10·4	mb. **10·2**	mb. **10·2**	mb. 10·3	mb. 10·4	mb. 10·9	mb. 11·1	mb. 11·1	mb. 11·1	mb. 11·1	mb. 11·5	mb. 11·4	mb. **11·6**	mb. 11·4	mb. **11·6**	mb. **11·6**	mb. **11·6**	mb. 11·4	mb. 11·1	mb. 11·0	mb. 11·0	mb. 10·9	mb. 10·9	mb. 11·0‡	

403. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

June, 1922.

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	77	85	87	92	91	81	72	59	46	36	33	39	37	38	35	36	41	39	38	41	48	57	61	63	**55·7**	14·0
2	66	68	73	76	77	72	71	67	62	57	52	55	58	63	53	45	44	49	57	67	70	69	69	64	62·6	**15·2**
3	65	69	69	72	72	72	69	68	63	61	57	54	53	50	43	43	47	51	55	60	61	62	63	66	60·2	10·7
4	67	75	83	83	79	73	70	59	57	54	49	48	47	43	43	40	41	40	39	47	62	69	71	78	58·8	10·1
5	78	78	82	85	92	76	69	57	55	49	49	45	43	42	40	40	42	42	47	57	62	77	71	78	60·7	11·3
6	72	75	78	84	85	78	64	61	53	49	42	41	41	40	41	41	42	42	47	53	58	65	68	72	58·1	11·5
7	76	80	81	84	86	80	73	66	58	54	47	39	37	35	33	35	38	43	45	53	62	70	70	73	59·1	11·7
8	79	82	88	89	85	79	74	69	61	57	51	53	56	49	64	61	56	61	63	65	68	73	81	86	68·5	11·7
9	86	86	85	88	91	87	85	76	73	74	67	54	52	50	46	47	47	48	47	63	61	68	68	74	67·9	13·7
10	84	76	80	84	83	85	77	72	62	55	54	52	54	49	51	46	49	71	68	70	75	76	83	82	68·1	12·7
11	79	78	78	80	78	70	63	58	58	53	44	43	41	41	40	37	37	39	41	60	72	77	81	85	59·6	10·7
12	90	87	86	89	84	85	78	68	52	46	42	39	39	37	35	38	37	37	39	43	49	72	75	83	59·7	12·1
13	82	87	90	88	87	83	77	69	60	61	65	63	85	83	78	71	68	75	84	87	82	84	81	84	78·0	11·8
14	86	87	86	83	82	78	79	78	75	74	71	72	71	71	71	69	71	70	71	69	74	72	73	77	75·6	9·4
15	87	95	96	96	96	95	92	93	93	87	85	83	80	79	79	77	79	76	77	75	73	74	76	81	**84·3**	11·0
16	87	87	92	92	91	81	75	69	58	51	48	45	43	47	45	48	49	51	53	66	73	74	73	79	65·7	11·0
17	80	72	72	75	69	67	63	60	56	54	55	54	54	53	51	48	49	47	52	54	57	62	65	65	60·0	**9·0**
18	67	65	70	71	71	73	65	63	58	55	55	57	51	51	45	43	45	49	56	60	64	69	72	75	60·2	9·7
19	81	82	84	84	83	83	79	75	69	66	64	60	54	52	49	47	48	47	49	59	63	67	71	77	66·3	14·3
20	80	81	85	85	88	86	80	80	80	73	63	62	56	55	55	57	59	52	51	57	63	74	81	82	70·1	12·7
21	81	85	83	83	81	81	76	73	61	54	55	50	45	44	42	41	43	41	45	50	54	60	63	71	61·2	11·2
22	76	78	83	85	81	79	77	70	63	60	58	52	50	59	62	74	78	80	77	84	87	87	84	83	73·4	11·7
23	87	82	82	83	82	90	82	77	66	68	60	55	56	55	48	51	55	57	55	64	70	74	80	83	69·3	11·8
24	85	84	85	89	87	78	76	65	57	59	57	57	57	59	74	82	86	89	86	83	86	78	80	77	75·8	12·0
25	79	78	81	79	76	74	68	63	63	71	53	51	52	49	53	52	51	51	53	59	64	69	72	74	64·0	**9·0**
26	77	78	80	80	83	85	85	84	86	82	82	79	89	90	90	88	87	83	80	80	81	85	87	84	83·3	12·6
27	83	82	80	82	83	78	73	63	65	73	74	67	71	63	61	66	67	68	73	76	79	79	77	79	73·5	12·9
28	80	80	80	82	87	85	82	82	77	79	81	80	79	77	87	85	88	89	94	91	91	90	90	92	84·2	14·3
29	86	89	92	93	93	89	81	72	63	53	56	58	76	64	64	70	57	54	56	67	76	80	82	85	73·3	10·3
30	89	91	89	89	89	81	72	67	67	62	70	67	63	57	50	55	55	61	63	64	67	74	78	79	70·9	11·0
Mean ...	79·7	80·7	82·7	**84·2**	83·7	80·1	74·9	69·4	63·9	60·9	58·0	55·8	56·3	54·8	**54·3**	54·4	55·2	56·7	58·7	64·1	68·4	72·9	74·9	77·7	67·6	11·7†
Vapour Pressure.* ...	mb. 11·6	mb. 11·4	mb. 11·3	mb. **11·2**	mb. 11·5	mb. 11·5	mb. 11·5	mb. 11·5	mb. 11·4	mb. 11·3	mb. 11·3	mb. 11·4	mb. 11·6	mb. 11·8	mb. 11·7	mb. 11·8	mb. 11·8	mb. **12·0**	mb. 11·9	mb. 11·8	mb. 11·7	mb. 11·7	mb. 11·5	mb. 11·5	mb. 11·6‡	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. ‡ Mean of the row.

Percentages, at exact hours, Greenwich Mean Time, determined as explained on page 13.

404. Richmond (Kew Observatory): North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

July, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	80	82	82	84	85	81	71	65	61	57	66	57	55	57	57	56	66	63	66	67	70	72	71	77	68·7	11·6
2	88	92	89	89	87	81	76	65	63	62	64	61	60	59	57	58	63	64	63	73	85	95	90	90	73·6	12·7
3	90	91	91	90	90	94	89	93	91	91	89	83	72	74	63	64	62	59	58	64	67	69	76	77	78·9	13·4
4	86	83	92	93	91	89	81	80	83	81	81	79	84	88	89	91	87	82	70	74	83	88	87	88	84·4	12·8
5	91	92	91	92	88	79	78	73	71	65	64	63	75	77	91	93	93	94	95	91	91	93	92	92	84·3	13·4
6	92	94	93	83	79	81	81	73	80	77	73	73	83	76	67	66	60	73	75	81	85	81	82	82	79·0	12·8
7	85	87	87	88	88	84	78	72	61	66	77	67	70	66	62	84	91	93	92	92	93	95	91	95	81·5	11·8
8	97	96	97	95	91	85	85	82	78	75	64	59	55	55	61	83	72	65	66	67	70	72	77	80	76·4	12·2
9	85	80	83	83	83	87	92	87	80	75	75	71	69	68	69	65	64	63	64	68	70	71	77	81	75·4	11·3
10	84	86	91	92	88	83	85	73	68	64	61	57	51	53	50	52	56	58	65	69	75	81	88	90	71·5	11·7
11	92	95	95	96	95	95	82	81	76	59	57	59	63	65	71	61	53	59	66	80	85	86	93	93	77·3	12·8
12	93	95	96	96	97	95	85	69	57	53	55	51	48	49	49	49	51	55	57	61	65	72	76	77	69·1	12·9
13	81	85	87	86	83	81	78	72	70	64	63	71	69	65	62	67	81	81	83	82	83	83	83	83	76·7	13·0
14	82	87	88	89	90	93	93	93	93	93	90	88	84	85	88	88	77	70	72	81	88	93	90	95	**86·8**	14·2
15	91	92	88	85	87	89	89	81	71	61	55	57	48	55	54	50	67	65	71	73	75	80	83	84	73·2	11·5
16	86	88	89	92	92	87	82	75	72	61	61	62	56	59	60	60	67	67	69	69	75	81	77	77	73·6	**10·5**
17	75	78	80	82	83	80	74	72	68	69	62	68	63	61	58	59	59	59	57	64	70	71	78	82	69·5	11·6
18	82	90	92	92	89	83	86	83	83	78	71	73	77	69	59	55	51	55	57	62	65	79	78	81	74·6	11·7
19	82	85	88	89	88	86	82	74	66	65	61	55	53	51	51	50	50	51	58	65	69	74	78	80	68·8	12·0
20	83	87	87	89	89	83	76	69	69	63	63	62	59	59	59	61	59	55	63	69	75	80	83	87	71·9	13·2
21	88	89	89	91	89	87	83	79	76	72	64	60	53	53	49	48	70	64	67	73	80	87	92	95	74·7	15·5
22	92	93	94	94	93	92	90	93	86	88	85	76	64	63	67	86	91	90	80	84	89	89	89	89	85·8	16·2
23	89	89	89	89	89	89	88	87	84	81	85	77	87	90	89	79	75	71	77	83	89	92	94	93	85·5	15·0
24	89	89	93	95	95	91	88	91	89	85	75	70	67	67	70	66	61	65	66	72	85	93	89	88	80·9	12·1
25	88	90	91	89	87	85	82	79	71	68	62	61	54	50	49	48	47	47	53	55	58	69	72	78	68·3	12·1
26	79	87	89	91	91	88	79	79	75	62	63	63	60	55	61	64	69	80	85	89	93	93	93	93	78·1	14·0
27	93	93	93	92	88	88	83	79	72	64	59	59	52	51	49	52	53	53	57	59	63	66	73	82	69·9	13·6
28	80	76	69	71	73	76	70	61	58	51	51	49	48	49	47	47	45	48	53	66	79	74	87	91	**63·1**	11·6
29	93	95	97	97	93	91	85	77	70	61	59	60	59	63	65	69	73	74	79	83	86	86	87	88	78·8	15·5
30	89	89	91	94	94	91	88	85	79	88	91	84	81	76	72	72	70	74	77	78	76	82	81	82	82·8	**16·5**
31	85	85	85	86	85	79	78	73	61	61	56	55	53	69	63	61	75	73	72	78	79	75	78	83	72·8	12·1
Mean	86·8	88·4	89·2	**89·5**	88·4	86·2	82·5	77·9	73·7	69·7	67·8	65·5	63·6	63·8	**63·2**	64·7	66·4	66·8	68·8	73·3	77·9	81·3	83·4	85·6	76·0	12·9†
Vapour Pressure.*	mb. 12·7	mb. 12·6	mb. 12·5	mb. **12·2**	mb. 12·3	mb. 12·6	mb. 12·7	mb. 12·8	mb. 12·8	mb. 12·7	mb. 12·9	mb. 12·7	mb. 12·8	mb. 12·9	mb. 12·9	mb. 13·1	mb. 13·1	mb. **13·2**	mb. 13·0	mb. 12·9	mb. 13·0	mb. 12·7	mb. 12·7	mb. 12·8	mb. 12·8‡	—

405. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

August, 1922.

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	84	85	86	89	91	85	80	76	72	63	57	54	62	57	69	66	65	57	62	72	77	78	81	80	72·9	11·6
2	82	88	87	91	92	88	84	75	69	60	63	53	53	49	47	51	62	64	68	80	78	80	80	81	71·8	11·5
3	84	85	87	86	88	82	79	73	71	66	67	59	55	53	63	70	88	89	85	87	87	88	91	90	77·8	13·0
4	93	91	92	92	93	91	90	89	88	84	87	81	76	69	69	67	79	84	85	89	92	93	99	96	86·1	14·4
5	97	95	95	95	97	98	96	95	87	82	73	79	68	61	61	60	58	59	64	72	79	81	82	83	80·2	13·7
6	83	84	84	85	86	85	83	79	74	73	73	78	79	79	88	85	83	84	90	94	92	96	96	96	84·3	14·3
7	97	98	95	97	96	95	92	91	88	87	77	76	71	72	71	64	67	64	69	71	78	84	89	93	82·6	14·6
8	92	96	95	97	97	96	97	88	86	68	72	80	72	62	56	57	55	61	61	72	74	80	87	88	78·8	14·1
9	89	89	89	88	89	87	84	78	78	70	67	68	67	59	87	89	81	83	81	86	83	83	80	79	80·8	12·7
10	82	80	81	77	83	83	78	76	74	61	58	57	60	57	58	59	59	57	65	71	78	85	88	93	71·4	10·6
11	93	97	95	95	96	93	93	92	92	84	78	72	64	82	86	80	78	81	84	88	90	91	91	89	**86·9**	12·1
12	89	88	97	90	90	87	81	76	78	76	69	70	70	73	80	82	84	82	82	84	90	89	92	93	82·9	12·9
13	92	93	94	92	92	89	88	87	81	79	73	64	55	57	56	57	59	65	71	77	77	78	83	85	77·0	13·5
14	85	91	91	93	93	93	91	80	71	69	59	56	57	53	54	54	55	58	60	66	68	77	90	89	73·0	11·9
15	86	84	87	93	92	93	93	70	62	57	51	47	46	47	52	48	53	59	61	68	73	77	82	85	69·5	11·3
16	86	90	90	91	95	92	87	77	72	62	63	55	59	60	59	61	64	67	71	77	81	81	77	77	74·9	12·6
17	77	81	81	86	86	83	78	80	85	83	73	58	56	56	59	50	51	53	60	67	72	77	81	87	71·5	12·5
18	88	86	87	88	86	87	82	69	67	61	56	53	55	55	59	61	67	70	79	83	84	87	89	94	74·6	12·4
19	89	92	93	95	96	95	91	83	79	73	67	70	69	66	63	65	60	66	72	77	83	89	91	92	79·9	14·2
20	90	92	93	93	95	95	90	87	79	76	73	70	68	66	68	65	67	69	75	82	88	93	96	95	81·8	14·3
21	99	95	99	100	100	97	95	95	85	79	67	66	61	58	59	58	59	69	72	76	78	80	85	86	80·1	14·3
22	92	91	91	91	92	91	91	81	77	78	73	68	64	56	59	65	62	61	67	70	73	79	85	87	76·8	14·3
23	89	94	94	91	86	83	76	69	58	55	54	52	47	51	45	45	49	51	56	69	71	72	75	76	**67·2**	10·7
24	79	84	85	88	89	87	83	81	74	65	60	59	59	71	83	93	92	94	93	95	96	95	93	89	82·5	12·4
25	80	78	76	79	80	80	75	75	72	69	65	65	65	67	66	62	67	81	82	79	80	81	84	85	74·8	12·0
26	87	87	84	87	89	86	81	76	71	64	64	55	53	53	51	52	53	55	64	71	77	80	82	87	71·2	**10·5**
27	87	85	85	85	83	85	81	75	68	65	66	64	63	57	57	55	55	63	69	76	79	85	88	89	73·5	13·6
28	89	92	91	94	95	95	91	93	91	84	79	73	70	67	66	66	70	73	79	81	84	87	90	93	83·0	**15·4**
29	93	91	95	94	93	95	93	88	79	76	69	63	59	57	57	57	61	62	72	72	81	80	88	90	77·7	15·1
30	92	93	89	88	88	88	88	88	91	87	84	81	80	70	67	73	80	87	93	86	86	83	81	82	84·5	13·7
31	82	84	87	88	92	92	87	88	85	92	87	84	72	70	78	77	09	71	78	83	90	93	92	91	83·6	11·9
Mean ...	88·0	89·0	89·5	90·3	**91·0**	89·5	86·4	81·6	77·5	72·5	68·5	65·5	63·1	**61·6**	64·3	64·3	66·2	69·0	73·2	78·1	81·3	83·9	86·7	87·7	77·9	13·0†
Vapour Pressure.* ...	mb. 12·8	mb. 12·6	mb. 12·4	mb. **12·2**	mb. 12·4	mb. **12·2**	mb. 12·6	mb. 12·8	mb. 13·0	mb. 12·6	mb. 12·7	mb. 12·6	mb. 12·5	mb. 12·6	mb. 12·9	mb. 12·8	mb. 13·0	mb. 13·2	mb. **13·3**	mb. **13·3**	mb. 13·2	mb. 13·2	mb. 13·2	b 13·0	mb. 12·8‡	
Hour G.M.T.	1	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. ‡ Mean of the row.

Percentages, at exact hours, Greenwich Mean Time, determined as explained on page 13.

406. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

September, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	92	92	93	96	97	100	95	84	80	78	76	67	73	71	79	86	87	87	89	89	92	93	95	95	86·8	11·6
2	96	98	97	97	96	99	97	95	91	85	77	73	63	62	74	88	78	78	85	89	91	96	100	99	87·6	11·9
3	96	97	97	100	100	100	100	100	92	84	75	76	72	67	62	62	63	75	84	90	93	93	96	95	86·3	12·0
4	95	96	95	96	96	96	92	88	85	81	83	80	79	77	78	79	82	84	86	87	86	87	88	91	87·0	13·3
5	91	91	90	89	91	92	88	84	83	76	75	71	66	67	67	69	68	78	81	87	93	94	96	97	82·6	14·9
6	96	96	96	95	96	97	95	93	81	70	63	63	60	60	57	59	60	55	68	67	77	82	82	85	77·5	13·5
7	88	93	91	97	99	97	95	90	79	61	53	47	45	45	47	46	50	56	62	68	74	83	82	87	72·3	11·3
8	92	92	91	86	92	91	89	85	82	75	69	63	66	62	63	66	64	69	74	76	79	78	83	83	78·0	11·7
9	83	79	82	80	84	84	81	72	68	63	62	64	63	63	57	53	55	63	70	75	79	78	83	83	71·8	9·3
10	87	90	91	93	94	97	89	82	75	67	61	61	61	67	63	66	73	75	81	82	88	89	92	95	79·7	10·2
11	96	96	96	95	99	99	96	87	83	73	65	57	57	53	50	48	52	75	81	93	91	95	92	97	80·2	11·2
12	99	100	100	100	99	100	99	99	95	82	73	70	65	64	65	78	68	76	73	88	89	92	93	95	85·5	11·0
13	95	96	95	93	95	95	91	84	80	74	65	67	75	63	63	63	73	78	83	87	93	97	97	100	83·3	11·6
14	99	97	99	100	100	99	97	95	87	89	84	75	65	65	67	73	77	92	93	91	90	90	90	89	87·8	11·3
15	83	80	78	77	74	73	71	71	67	61	61	64	65	61	59	61	64	68	73	75	72	88	93	97	72·2	10·0
16	97	96	94	95	95	95	93	83	76	69	63	65	64	67	65	74	80	83	88	93	91	87	87	91	83·1	10·9
17	91	94	93	92	93	91	87	89	92	85	76	67	54	52	53	53	59	62	69	75	76	76	77	83	76·8	12·8
18	85	87	83	84	83	83	81	73	64	53	51	54	51	52	49	49	53	63	63	71	77	80	81	83	**68·9**	**8·9**
19	82	82	83	83	84	81	80	82	90	91	91	89	90	91	89	89	89	91	91	90	90	87	87	89	87·0	13·0
20	88	86	85	83	83	84	83	78	71	65	63	61	57	58	57	57	63	70	69	76	82	86	88	88	74·3	14·4
21	90	91	95	95	99	97	94	92	87	82	78	79	72	69	66	65	66	74	81	88	90	92	93	94	84·4	**16·0**
22	95	97	97	99	99	97	97	96	95	92	84	78	77	74	67	69	73	78	83	84	86	81	83	85	86·3	14·7
23	88	87	88	88	89	88	87	86	83	84	94	90	95	88	89	87	88	84	88	95	95	94	91	89	88·9	13·2
24	90	92	88	89	88	92	95	90	89	87	78	77	76	73	67	68	69	75	84	89	96	96	96	100	85·0	11·8
25	100	99	97	100	100	100	99	100	93	87	75	72	73	73	74	71	74	77	79	79	80	86	87	83	86·1	11·0
26	83	82	81	83	86	92	92	89	86	78	73	71	69	73	71	67	74	83	87	88	91	93	94	92	82·2	13·5
27	92	92	92	92	93	95	92	89	84	77	77	84	83	86	87	88	88	90	93	92	93	97	95	97	**89·4**	13·1
28	97	97	95	96	96	95	96	93	89	83	77	76	73	73	74	80	80	84	85	83	89	91	93	90	87·0	13·8
29	92	84	75	75	78	76	74	68	63	63	57	59	52	54	53	54	57	64	76	76	83	78	83	86	70·1	9·2
30	87	87	88	88	93	91	88	93	87	79	67	59	63	59	62	67	73	82	80	80	92	93	93	95	80·9	9·8
Mean ...	91·5	91·5	90·8	91·2	92·4	**92·5**	90·4	87·0	82·6	76·5	71·5	69·3	67·5	66·3	**65·8**	67·5	70·0	75·6	80·0	83·4	86·6	88·4	89·7	91·1	81·6	12·0†
Vapour Pressure* ...	mb. 11·7	mb. 11·5	mb. 11·5	mb. **11·3**	mb. **11·3**	mb. **11·3**	mb. 11·4	mb. 11·7	mb. 12·0	mb. 11·8	mb. 11·9	mb. 11·8	mb. 12·0	mb. 11·8	mb. 11·9	mb. 12·0	mb. 12·0	mb. **12·3**	mb. **12·3**	mb. 12·2	mb. **12·3**	mb. 12·0	mb. 11·9	mb. 11·9	mb. 11·8‡	—

407. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

October, 1922.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	95	95	95	95	95	95	95	95	92	87	82	84	82	77	77	82	89	89	91	93	94	89	86	88	**89·4**	**15·4**
2	91	95	97	96	97	99	99	96	91	77	66	65	65	64	64	65	70	82	83	93	95	93	92	95	84·5	12·1
3	95	96	96	95	96	97	96	95	92	83	73	69	71	72	64	72	74	82	86	91	91	93	92	87	85·9	13·4
4	86	88	89	92	92	88	87	87	83	83	78	72	77	80	87	90	92	91	91	92	93	93	93	93	87·3	14·8
5	94	94	94	94	93	92	94	91	85	78	69	67	72	68	79	70	75	80	83	86	86	87	91	92	84·0	13·8
6	91	92	88	87	92	91	92	91	91	87	79	82	77	70	67	63	65	67	73	77	78	78	79	83	81·0	10·9
7	76	76	70	69	70	74	77	72	67	64	59	59	68	60	61	70	71	73	73	77	74	75	75	76	70·4	9·0
8	79	85	84	84	87	91	94	90	76	71	69	66	67	69	71	74	75	81	84	84	84	86	88	89	80·0	9·8
9	93	93	92	92	86	85	80	75	66	64	63	66	67	67	77	78	81	77	77	74	75	80	85	89	78·4	10·2
10	93	96	97	95	89	87	92	91	92	89	85	71	63	59	63	62	73	71	71	77	77	78	76	77	80·4	8·9
11	79	81	80	80	82	85	85	87	77	64	65	55	52	49	49	51	63	80	85	94	93	95	99	97	75·7	7·7
12	97	99	97	97	99	97	99	95	93	84	74	69	68	61	61	61	68	77	83	85	84	89	89	91	84·2	8·9
13	95	95	94	99	97	97	97	91	82	72	67	58	54	52	51	56	63	70	74	78	85	87	92	91	79·0	9·9
14	93	93	99	97	97	95	100	95	88	79	72	56	53	48	43	49	57	80	83	87	88	93	95	93	80·5	10·5
15	95	97	100	99	99	100	100	95	85	79	76	68	67	61	60	67	73	80	84	86	89	91	96	93	85·0	10·5
16	92	95	96	93	89	92	89	87	79	81	70	70	65	62	59	63	68	70	69	75	78	83	87	85	79·2	10·5
17	84	86	87	87	85	79	78	75	71	68	64	64	59	56	58	60	65	68	69	70	66	63	64	65	70·9	9·1
18	67	67	67	67	66	69	69	71	71	71	64	57	65	65	65	63	64	72	71	76	72	72	72	78	68·1	8·1
19	73	68	69	73	75	72	76	67	61	61	55	53	55	55	57	61	63	68	68	67	64	65	65	66	**65·1**	6·8
20	65	79	83	85	88	90	93	94	91	91	94	90	87	89	87	86	86	86	86	89	86	86	85	86	86·3	8·1
21	89	88	91	87	87	94	95	89	74	75	69	64	64	58	76	76	73	72	77	83	83	85	86	79	79·6	8·6
22	72	76	82	87	85	85	81	80	75	71	63	63	57	60	65	65	74	73	75	83	87	87	89	89	75·8	7·8
23	89	82	83	80	80	82	79	75	75	74	75	71	65	73	71	75	73	75	82	82	83	89	91	92	79·0	8·3
24	93	93	95	97	94	94	95	90	86	79	70	69	59	59	73	73	75	78	82	85	85	87	91	92	83·1	8·3
25	91	99	95	95	95	93	91	87	83	75	69	64	61	63	63	67	71	77	80	89	91	95	97	91	82·6	7·9
26	95	89	99	99	99	99	99	99	97	97	89	78	66	55	48	57	64	70	71	70	85	87	93	88	83·1	5·8
27	87	85	83	87	93	93	89	89	89	85	86	77	75	70	69	69	79	85	85	83	87	77	77	80	82·6	6·9
28	82	81	91	87	93	89	89	87	79	70	67	65	58	64	59	64	66	67	74	75	77	87	91	89	76·9	5·9
29	89	81	71	68	68	71	69	73	66	61	60	65	66	63	63	60	67	78	73	71	72	85	87	84	71·4	**5·7**
30	84	84	88	91	89	85	81	81	84	83	81	74	72	69	69	72	73	66	71	70	73	75	73	81	77·9	7·1
31	89	89	87	86	88	88	88	85	80	71	64	62	59	57	64	65	74	79	79	79	85	85	88	88	78·2	7·1
Mean ...	86·9	87·7	88·3	88·4	88·5	**88·7**	**88·7**	86·3	81·3	76·6	71·5	67·5	65·7	**63·7**	65·0	67·3	71·4	76·6	78·5	81·3	82·6	84·3	85·9	86·0	79·5	9·3
Vapour Pressure* ...	mb. 9·0	mb. 9·0	mb. 8·9	mb. 8·8	mb. 8·8	mb. **8·7**	mb. **8·7**	mb. 8·9	mb. 9·0	mb. **9·2**	mb. **9·2**	mb. 9·0	mb. 9·0	mb. 8·9	mb. 9·0	mb. 8·9	mb. 9·1	mb. **9·2**	mb. 9·0	mb. 9·0	mb. 9·1	mb. 9·0	mb. 9·0	mb. 8·9	mb. 9·0‡	
Hour G.M.T	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. ‡ Mean of the row.

Percentages, at exact hours, Greenwich Mean Time, determined as explained on page 13.

408. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

November, 1922.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	87	89	89	86	82	84	91	85	89	91	89	91	92	92	93	91	81	78	68	72	76	79	82	78	85·0	9·0
2	75	81	83	83	85	79	85	85	81	71	64	61	60	62	61	59	67	69	76	75	75	74	77	78	**73·6**	6·1
3	81	80	80	80	81	83	80	85	85	88	93	95	90	90	85	89	87	87	88	89	93	93	93	88	86·6	7·2
4	91	95	91	87	86	80	78	78	75	71	58	55	57	60	61	62	68	71	74	80	85	85	89	87	76·0	6·2
5	91	91	93	94	94	94	94	97	93	89	85	76	72	71	72	76	79	91	89	94	93	93	94	90	87·7	6·9
6	89	91	93	91	93	96	96	96	95	83	80	79	80	79	84	92	84	86	85	82	85	82	85	87	87·3	10·3
7	87	89	89	94	97	95	94	86	82	79	76	76	70	68	69	69	76	76	79	81	85	90	91	91	82·8	9·3
8	91	91	93	95	97	95	97	99	93	89	91	88	91	79	77	80	83	83	90	94	95	94	95	94	90·5	9·3
9	95	95	95	97	95	95	97	99	99	93	85	76	66	68	72	70	80	90	99	99	97	99	100	99	89·9	8·5
10	100	97	97	95	93	93	89	86	83	80	86	91	87	83	92	93	95	95	96	93	95	95	96	97	92·0	**10·6**
11	97	99	97	100	100	100	97	95	95	91	87	82	78	75	76	78	87	94	99	91	90	93	95	92	91·3	9·5
12	95	99	100	99	99	99	99	99	99	99	99	97	93	91	93	94	95	95	95	94	94	94	97	100	96·4	7·4
13	94	95	95	91	91	91	91	93	87	79	77	74	73	77	80	91	92	95	97	97	97	97	97	97	89·5	7·5
14	97	97	99	99	99	99	99	99	97	99	99	99	97	99	99	97	99	97	97	97	97	99	97	97	**98·1**	6·3
15	99	99	100	99	100	99	99	99	97	99	97	99	91	89	91	83	93	94	91	99	92	97	95	99	95·8	7·8
16	99	97	97	97	96	99	97	99	97	96	99	99	100	99	99	99	97	99	97	97	99	97	91	91	97·5	7·1
17	93	91	87	86	83	86	90	90	87	86	87	86	80	81	81	75	75	78	84	87	87	94	91	92	85·7	8·8
18	91	92	94	91	87	87	89	92	87	79	76	75	73	73	70	70	71	72	73	75	79	81	85	89	81·3	9·2
19	88	89	88	87	95	91	89	90	85	82	81	79	78	76	78	81	84	89	90	93	94	93	91	90	86·7	8·4
20	87	87	89	89	82	82	81	85	84	86	85	77	77	77	79	81	81	84	86	87	86	87	89	91	84·1	8·5
21	92	90	90	92	93	94	93	95	94	93	92	88	85	88	87	91	92	91	89	92	94	89	87	91	90·9	9·5
22	93	94	93	94	94	91	93	93	93	87	85	85	85	78	71	76	78	79	86	85	87	86	87	91	86·8	8·8
23	93	93	93	93	94	94	94	94	90	82	79	76	74	75	79	82	85	85	90	94	94	97	97	97	88·4	8·6
24	99	95	97	97	99	97	94	94	93	91	84	72	70	72	74	76	80	81	74	75	77	76	76	79	84·6	7·9
25	83	83	83	89	81	95	94	90	86	89	87	77	71	67	66	73	76	81	85	83	81	83	81	83	81·9	5·5
26	85	83	87	85	85	89	93	88	85	83	79	76	73	73	75	87	85	84	79	78	79	77	77	79	81·7	6·5
27	79	75	75	75	73	69	73	75	72	71	67	65	65	65	67	70	77	75	79	80	81	83	85	87	74·1	**4·9**
28	89	89	91	95	95	93	91	87	81	78	83	80	79	76	74	72	70	72	76	75	81	79	76	75	81·8	8·5
29	80	81	85	81	83	84	84	85	79	71	74	70	66	66	67	70	76	77	79	80	82	83	83	85	77·7	8·7
30	85	90	87	87	90	90	90	91	89	86	80	80	73	77	73	71	77	75	75	72	73	77	79	81	81·3	8·3
Mean ...	90·2	90·6	91·0	90·9	90·7	90·8	**91·0**	91·0	88·4	85·4	83·5	80·8	78·2	**77·5**	78·2	79·9	82·3	84·1	85·5	86·3	87·4	88·2	88·6	89·2	86·2	†8·0
Vapour Pressure.† ...	mb. **7·5**	mb. 7·6	mb. **7·5**	mb. **7·5**	mb. 7·7	mb. 7·7	mb. 7·7	mb. 7·7	mb. 7·8	mb. 8·0	mb. 8·2	mb. 8·4	mb. **8·5**	mb. **8·5**	mb. **8·5**	mb. 8·4	mb. 8·3	mb. 8·2	mb. 8·0	mb. 7·9	mb. 7·8	mb. 7·7	mb. 7·7	mb. 7·6	mb. ‡7·9	

409. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

December, 1922.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	86	86	86	87	95	95	91	90	90	79	76	76	74	74	91	94	89	87	85	92	91	91	91	90	86·7	9·2
2	90	90	89	91	91	91	90	90	87	86	83	78	76	78	81	84	85	86	92	97	96	95	89	83	87·5	9·3
3	83	82	85	86	85	85	84	86	86	78	77	77	77	72	66	70	67	71	71	84	75	79	79	83	78·7	8·6
4	85	86	85	89	87	87	87	87	89	91	91	76	76	72	73	75	77	74	75	73	76	76	77	78	81·0	8·5
5	79	80	83	80	80	83	87	86	83	81	79	81	77	77	80	81	82	81	78	78	79	81	78	63	80·2	9·0
6	64	65	64	65	69	69	69	69	71	69	64	67	67	67	69	72	74	74	76	78	78	78	83	81	**70·5**	7·2
7	81	81	87	91	97	91	97	95	90	91	87	82	77	71	73	75	77	79	79	79	79	84	81	83	83·6	7·5
8	79	80	81	84	85	85	86	83	90	91	89	86	89	86	81	83	83	83	83	85	85	91	95	93	85·5	8·0
9	95	95	91	94	91	93	93	93	99	95	97	95	92	83	81	85	85	87	91	93	93	91	93	89	91·5	**6·2**
10	89	87	85	85	85	87	85	88	87	87	85	82	79	79	77	77	77	78	79	80	80	76	74	70	82·0	7·2
11	73*	71	73	75	73	73	73	69	72	75	74	73	73	73	75	77	79	78	82	79	80	81	83	80	75·4	6·4
12	79	79	80	79	83	81	81	79	77	80	80	80	83	84	84	86	86	87	89	87	87	91	89	89	83·1	8·3
13	91	95	93	89	91	91	89	87	85	85	85	84	85	85	86	84	83	85	85	83	86	86	86	86	86·9	**10·5**
14	86	87	84	84	84	83	85	83	85	86	89	88	85	85	84	85	91	88	88	87	85	87	88	91	86·0	9·6
15	91	91	91	93	93	89	91	95	95	94	93	85	81	81	79	89	93	91	93	91	90	90	91	93	90·1	9·2
16	97	96	93	93	91	88	85	85	84	82	78	79	79	79	80	77	73	75	81	86	91	93	93	93	85·5	8·9
17	94	93	94	90	93	93	89	88	87	87	83	81	75	78	83	85	80	84	88	93	93	95	94	99	88·2	7·8
18	99	95	99	99	100	99	99	99	99	99	97	93	91	89	88	89	86	86	85	85	85	93	90	93	**93·3**	9·4
19	93	91	90	91	91	87	85	87	85	82	79	79	75	78	76	76	79	79	88	89	87	88	94	94	85·1	8·0
20	93	93	90	94	99	95	92	86	92	86	81	77	73	72	74	73	76	79	79	79	79	82	85	86	84·1	7·9
21	87	87	89	89	90	89	91	91	89	87	85	82	81	76	77	79	82	91	91	91	92	92	91	93	87·0	7·9
22	93	91	91	84	81	86	89	86	85	83	77	74	70	77	75	77	77	77	78	78	79	78	79	79	81·3	8·7
23	80	80	80	82	87	90	86	87	85	83	81	75	73	74	75	73	83	79	82	81	77	79	82	82	80·6	8·0
24	83	84	85	87	87	88	91	91	89	89	83	80	81	83	84	88	90	91	95	97	99	97	96	97	88·7	6·6
25	95	97	97	93	93	92	91	90	83	78	73	77	83	85	87	93	95	91	89	92	91	86	82	82	88·4	8·2
26	85	88	89	91	90	91	90	89	89	88	87	82	75	72	76	85	89	87	91	91	91	90	90	93	86·8	7·3
27	91	91	91	91	92	91	93	91	95	97	91	89	91	91	91	91	89	92	91	91	89	91	87	87	91·1	7·9
28	90	93	93	90	87	89	87	87	91	89	83	79	76	72	77	81	85	84	84	91	89	90	91	90	86·1	7·1
29	94	94	87	81	83	83	85	84	86	84	81	78	76	78	81	82	82	87	87	85	82	88	87	84	84·3	9·3
30	78	83	82	82	75	75	75	79	78	79	81	77	83	79	80	85	90	90	94	97	97	93	90	94	83·8	8·1
31	99	99	100	99	99	99	95	95	95	94	94	94	91	93	91	91	88	88	87	89	89	88	87	86	93·1	7·9
Mean ...	87·2	87·4	87·3	87·3	**88·0**	87·7	87·5	86·9	87·0	85·7	83·3	80·8	79·5	**78·8**	79·8	82·0	83·0	83·5	85·0	86·5	86·1	87·1	86·9	86·6	85·0	†8·2
Vapour Pressure.* ...	mb. 8·2	mb. 8·1	mb. 8·1	mb. 8·0	mb. 8·0	mb. 8·0	mb. 7·9	mb. 7·9	mb. 8·0	mb. 8·1	mb. 8·2	mb. 8·3	mb. **8·3**	mb. **8·3**	mb. **8·3**	mb. **8·3**	mb. 8·2	mb. 8·1	mb. 8·1	mb. 8·2	mb. 8·1	mb. **8·3**	mb. 8·2	mb. 8·2	mb. 8·1‡	
Hour G.M.T.	1.	2.	3	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. ‡ Mean of the row.

RELATIVE HUMIDITY AND VAPOUR PRESSURE: ANNUAL MEANS OF HOURLY VALUES.

From the monthly means, for exact hours, Greenwich Mean Time.

410. Richmond (Kew Observatory) : North Wall Screen : $h_t = 3 \cdot 0$ metres. **1922.**

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Relative Humidity ...	% 86·3	% 87·2	% 87·7	% 88·1	% **88·2**	% 87·3	% 85·3	% 82·6	% 79·0	% 75·4	% 72·0	% 69·3	% 67·4	% **66·5**	% 66·8	% 68·0	% 70·1	% 72·5	% 75·3	% 78·3	% 80·6	% 82·6	% 84·1	% 85·3	% 78·6
Vapour Pressure in millibars	mb. 9·1	mb. 9·1	mb. 9·1	mb. **9·0**	mb. **9·0**	mb. **9·0**	mb. 9·1	mb. 9·2	mb. 9·3	mb. 9·3	mb. 9·4	mb. 9·4	mb. 9·4	mb. 9·4	mb. 9·6	mb. 9·6	mb. 9·6	mb. **9·7**	mb. 9·6	mb. 9·4	mb. 9·4	mb. 9·4	mb. 9·3	mb. 9·2	mb. 9·4

RELATIVE HUMIDITY: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

411. Richmond (Kew Observatory) : North Wall Screen : $h_t = 3 \cdot 0$ metres. **1922.**

Month.	Mean.	Hour G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Jan.	85·4	+ 2·0	+ 2·8	+ **3·2**	+ 2·7	+ 3·1	+ 3·1	+ 2·8	+ 2·9	+ 2·4	+ 1·2	− 0·5	− 3·9	− 6·0	− **6·5**	− 6·4	− 4·7	− 1·8	− 0·8	+ 0·2	+ 0·4	+ 0·3	+ 1·4	+ 1·1	+ 2·1
Feb.	79·7	+ 3·7	+ 5·2	+ 4·8	+ 4·9	+ **5·7**	+ 5·2	+ 5·2	+ 4·3	+ 2·7	− 0·4	− 4·5	− 7·4	− 9·2	− **9·7**	− **9·7**	− 8·1	− 4·2	− 1·4	+ 0·7	+ 1·4	+ 2·3	+ 2·6	+ 2·9	+ 3·1
Mar.	78·4	+ 6·7	+ 6·7	+ 6·3	+ 7·7	+ 7·6	+ **8·4**	+ 7·5	+ 6·3	+ 1·9	− 1·5	− 6·1	− 9·3	− 10·9	− **11·6**	− 11·5	− 10·6	− 8·5	− 4·7	− 2·2	+ 0·6	+ 2·9	+ 3·4	+ 5·1	+ 6·1
April	76·2	+ 9·3	+ 10·4	+ 10·7	+ **11·3**	+ 10·7	+ 10·8	+ 8·7	+ 4·7	− 1·0	− 5·2	− 8·7	− 10·3	− 13·2	− **14·1**	− 13·7	− 12·3	− 11·0	− 8·0	− 2·6	+ 0·5	+ 2·9	+ 5·2	+ 6·9	+ 7·8
May	69·4	+ 14·1	+ 16·4	+ 17·9	+ **19·3**	+ 19·1	+ 14·9	+ 9·6	+ 4·3	− 1·5	− 5·4	− 9·1	− 11·1	− 14·4	− 15·8	− **16·9**	− 16·8	− 16·1	− 15·7	− 11·2	− 5·0	+ 0·2	+ 3·9	+ 8·2	+ 11·3
June	**67·6**	+ 12·2	+ 13·2	+ 15·1	+ **16·6**	+ 16·2	+ 12·6	+ 7·3	+ 1·9	− 3·7	− 6·7	− 9·6	− 11·8	− 11·3	− 12·8	− **13·4**	− 13·2	− 12·4	− 10·9	− 9·0	− 3·5	+ 0·7	+ 5·2	+ 7·2	+ 10·0
July	76·0	+ 10·8	+ 12·4	+ 13·3	+ **13·5**	+ 12·4	+ 10·3	+ 6·5	+ 1·9	− 2·3	− 6·3	− 8·2	− 10·5	− 12·4	− 12·2	− **12·9**	− 11·4	− 9·6	− 9·3	− 7·2	− 2·7	+ 1·9	+ 5·3	+ 7·3	+ 9·5
Aug.	77·9	+ 10·2	+ 11·3	+ 11·8	+ 12·5	+ **13·2**	+ 11·8	+ 8·6	+ 3·8	− 0·3	− 5·3	− 9·3	− 12·4	− 14·8	− **16·3**	− 13·6	− 13·6	− 11·7	− 8·9	− 4·7	+ 0·1	+ 3·3	+ 6·0	+ 8·7	+ 9·7
Sept.	81·6	+ 9·9	+ 9·9	+ 9·3	+ 9·6	+ 10·8	+ **10·9**	+ 8·8	+ 5·4	+ 1·0	− 5·1	− 10·1	− 12·3	− 14·1	− 15·3	− **15·9**	− 14·1	− 11·7	− 6·0	− 1·7	+ 1·8	+ 4·9	+ 6·7	+ 8·0	+ 9·4
Oct.	79·5	+ 7·2	+ 8·0	+ 8·7	+ 8·8	+ 8·9	+ **9·1**	+ **9·1**	+ 6·7	+ 1·8	− 3·0	− 8·0	− 12·0	− 13·8	− **15·8**	− 14·5	− 12·2	− 8·1	− 2·9	− 1·0	+ 1·9	+ 3·1	+ 4·9	+ 6·5	+ 6·6
Nov.	**86·2**	+ 3·8	+ 4·2	+ **4·7**	+ 4·6	+ 4·4	+ 4·5	+ 4·7	+ 4·7	+ 2·1	− 0·9	− 2·8	− 5·4	− 8·0	− **8·7**	− 8·0	− 6·3	− 3·9	− 2·1	− 0·7	+ 0·2	+ 1·3	+ 2·1	+ 2·5	+ 3·0
Dec.	85·0	+ 2·2	+ 2·5	+ 2·3	+ 2·4	+ **3·0**	+ 2·7	+ 2·4	+ 1·9	+ 2·0	+ 0·6	− 1·7	− 4·2	− 5·6	− **6·2**	− 5·2	− 3·1	− 2·1	− 1·6	− 0·1	+ 1·4	+ 1·0	+ 2·0	+ 1·8	+ 1·5
Year	78·6	+ 7·7	+ 8·6	+ 9·0	+ 9·5	+ **9·6**	+ 8·7	+ 6·8	+ 4·1	+ 0·4	− 3·2	− 6·5	− 9·2	− 11·1	− **12·1**	− 11·8	− 10·5	− 8·4	− 6·0	− 3·3	− 0·2	+ 2·1	+ 4·1	+ 5·5	+ 6·7

RAINFALL: ANNUAL TOTALS OF HOURLY VALUES.

Amounts, in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

412. Richmond (Kew Observatory) : H_r (height of receiving surface above M.S.L.) = H_t (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **1922.**

G.M.T.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.	0 to 24.
Amount	mm. 13·5	mm. 16·7	mm. 17·5	mm. 19·2	mm. 34·4	mm. 19·9	mm. 21·1	mm. **12·4**	mm. 23·5	mm. 18·3	mm. 21·3	mm. 15·6	mm. 19·7	mm. 16·5	mm. 33·9	mm. 34·3	mm. **38·7**	mm. 25·7	mm. 24·7	mm. 30·8	mm. 36·7	mm. 27·9	mm. 24·6	mm. 20·7	mm. 567·6
Duration	hr. **14·4**	hr. 16·7	hr. 21·5	hr. 19·0	hr. 23·8	hr. 21·9	hr. 23·0	hr. 16·8	hr. 17·6	hr. 15·3	hr. 18·6	hr. 15·3	hr. 17·6	hr. 17·3	hr. **26·9**	hr. 25·9	hr. 25·2	hr. 22·7	hr. 18·6	hr. 21·9	hr. 24·4	hr. 23·4	hr. 25·1	hr. 19·3	hr. 492·2

413. Richmond (Kew Observatory). NOTES ON RAINFALL. **1922.**

During the year the largest continuous falls of rain were 20 mm. on July 5th–6th, 14 mm. on September 19th and 14 mm. on December 20th–21st.

On April 22nd a continuous fall of 7 mm. extended over 13 h. 36 m. Rain also fell continuously on July 5th–6th for 12 h. 48 m., on December 31st for 9 h. 42 m., on December 20th–21st for 9 h. 12 m., and on April 3rd for 8 h. 36 m.

On May 25th there was a fall of 10 mm. in a time which may have been as short as 36 minutes, but some uncertainty was introduced in the trace by the failure of the Stonyhurst discharger to act. Another rapid fall occurred on July 22nd, when 8 mm. fell in 1 h. 12 m., a mean rate of 6·7 mm. per hour. On this occasion, and again on August 6th, a fall of 5 mm. occurred in 36 m.

The shortest time required for 10 mm. to fall was 2 h. 48 m. on July 7th. On August 6th the rate was very little less, 10 mm. falling in 2 h. 54 m., while on September 19th there was a fall of 10 mm. in 3 h. 6 m.

Amounts, in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

414. Richmond (Kew Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **January, 1922.**

Day.	0–1	1–2	2–3	3 4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	…	…	…	…	…	…	…	0·1	0·3
3	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
4	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
5	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
6	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
7	…	…	·8	·4	·6	·1	·2	·3	…	…	·2	·1	…	…	…	…	…	…	…	…	…	…	…	…	2·7	5·2
8	…	…	…	…	·2	·3	1·0	…	…	…	·2	…	…	…	…	…	…	…	…	…	…	…	…	·2	1·9	2·9
9	·3	·2	·3	·1	…	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	1·0	3·8
10	…	…	·2	…	·2	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·6	2·1
11	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	1·6	…	…	…	…	…	1·6	0·3
12	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
13	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·4	…	…	0·4	0·5
14	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
15	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	·1	·3	·5	·5	·3	·4	·4	·4	·8	·4	4·2	9·5
16	·4	·6	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	1·2	2·3
17	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
18	…	…	…	…	…	…	…	…	…	…	·1	…	…	…	…	…	1·5	·4	…	…	1·1	·2	·4	…	3·7	3·2
19	·1	·4	·1	(3·0)	(3·0)	(3·0)	(1·4)	(·3)	(·2)	(·2)	·2	1·3	·7	…	…	…	…	…	…	…	…	1·4	·4	·2	**15·9**	**10·0**
20	…	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	…	…	·1	…	…	…	0·3	0·9
21	…	…	…	…	…	…	…	…	…	…	…	…	·4	·8	·3	·4	·8	·3	…	…	…	…	…	…	3·0	4·4
22	…	…	…	…	…	…	·2	…	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·3	…
23	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
24	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
25	…	…	…	…	·2	·4	·5	…	…	…	…	…	…	…	·6	1·1	1·0	1·1	·2	·5	…	…	…	…	5·6	6·7
26	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·9	·6	1·5	3·0	2·5
27	·2	…	…	…	·5	…	(1·6	(·1)	…	·1	·3	·1	·1	…	…	…	…	…	…	·5	·7	…	1·0	1·7	6·9	6·7
28	·4	…	…	·1	…	…	…	…	…	·1	…	…	…	…	…	…	…	…	…	…	…	·1	·1	·1	0·9	1·3
29	…	…	…	·7	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·8	0·8
30	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	·4	…	…	…	·2	1·1	…	…	…	1·8	1·2
31	…	…	…	…	…	…	…	…	…	…	…	…	…	·2	·6	…	…	…	…	…	…	…	…	…	0·8	1·1
Sum.	1·4	1·3	1·6	4·3	4·8	4·1	**4·9**	0·7	0·3	0·4	1·0	1·5	1·2	1·1	1·7	2·2	3·9	2·4	2·1	1·6	3·4	3·4	3·3	4·1	56·7	65·7
Total Duration.	hr. 2·8	hr. 2·4	hr. 3·2	hr. 3·3	hr. **4·8**	hr. 3·8	hr. 4·2	hr. 1·5	hr. 0·6	hr. 0·8	hr. 1·3	hr. 0·9	hr. 1·4	hr. 1·4	hr. 3·1	hr. 3·1	hr. 4·3	hr. 2·8	hr. 1·6	hr. 2·2	hr. 3·6	hr. 3·7	hr. 4·7	hr. 4·2	hr. 65·7	

415. Richmond (Kew Observatory) : H_r = 5·5 metres + 0·53 metres. **February, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
2	…	…	…	…	·3	·7	·7	·6	1·1	·5	·1	·4	·1	·3	…	…	3·7	·3	…	…	…	…	…	…	8·8	**6·6**
3	…	·4	·2	·2	·2	…	…	…	…	·3	·3	·3	·2	…	…	…	…	…	…	…	…	…	…	…	2·1	3·5
4	·1	…	…	·1	…	·2	…	·4	·4	·6	·2	·5	·8	·2	…	…	…	…	…	…	…	…	…	…	3·5	5·1
5	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
6	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
7	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
8	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
9	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
10	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
11	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
12	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
13	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
14	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
15	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·6	·3	·2	(1·7)	(1·6)	·4	…	·1	…	4·9	4·1
16	…	…	·2	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·4	1·2
17	…	…	…	·2	…	·1	…	…	…	…	…	…	…	…	·1	…	·3	…	…	…	…	…	…	…	0·7	0·7
18	…	…	…	·3	2·9	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	3·2	1·0
19	…	…	…	…	…	…	…	…	…	·3	·5	·2	…	…	·1	…	…	…	…	…	…	…	…	·1	1·2	2·4
20	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	…	…	…	…	…	0·1	…
21	…	…	…	…	…	…	…	…	3·7	·8	…	…	…	…	…	…	·2	·1	1·0	3·8	·8	·6	…	…	**11·0**	5·1
22	…	…	…	…	…	…	…	·1	·1	…	…	…	…	…	·1	…	…	…	…	…	·6	·2	…	…	1·1	1·9
23	…	…	…	…	…	…	·3	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·3	0·5
24	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
25	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
26	…	…	…	…	…	…	…	…	…	…	…	…	·3	·3	1·7	·4	1·1	·5	…	…	…	…	…	…	4·3	3·9
27	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·2	·1	…	…	…	…	0·3	0·4
28	·3	·5	·2	·1	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	3·8	·6	5·7	5·1
Sum.	0·4	0·9	0·6	1·1	3·6	1·0	1·0	1·1	5·3	2·5	1·1	1·4	1·4	0·8	2·0	1·0	**5·6**	1·1	3·0	5·5	1·8	0·8	3·9	0·7	47·6	41·5
Total Duration.	hr. 0·9	hr. 1·3	hr. 1·7	hr. 2·0	hr. 2·1	hr. 1·3	hr. 0·9	hr. 1·6	hr. 2·6	hr. **3·0**	hr. 2·6	hr. 2·8	hr. 1·8	hr. 1·3	hr. 1·3	hr. 1·4	hr. 2·2	hr. 1·8	hr. 1·4	hr. 2·3	hr. 2·3	hr. 1·0	hr. 0·9	hr. 1·0	hr. 41·5	

G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	

Amounts, in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

416. Richmond (Kew Observatory): H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **March, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	·2	...	...	...	...	...	...	...	...	...	·12	...	·5	...	1·1	1·7	...	...	...	·1	·8	...	...	...	5·6	2·9
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	·4	·4	1·2	·7	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	·1	·3	·1	3·3	5·4
4	...	...	...	·2	·2	·2	1·2	...	...	·3	·5	...	...	...	2·9	...	...	...	...	...	...	...	...	...	5·5	3·5
5	...	...	...	...	...	...	...	...	...	·1	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·4	1·3
6	...	·1	·1	1·8	·4	·1	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	1·8	·5	...	...	5·1	3·4
7	...	...	·4	...	·8	·5	·8	·1	...	...	...	...	...	·5	1·2	...	...	...	...	...	...	...	...	...	4·3	2·5
8	...	...	...	·3	1·6	1·2	·9	1·5	1·0	1·3	·2	·3	·1	...	...	...	...	...	...	·1	·9	·3	...	...	9·7	6·7
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	·4	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·5
21	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	0·4	0·2
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	·2	1·1	0·7
25	·1	·1	·1	...	...	·2	·1	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	0·9	2·0
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·2	...	...	...	...	...	...	0·4	0·8
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	·2	...	...	...	...	...	...	·2	·1	·2	·1	...	...	...	...	...	...	...	...	0·8	1·0
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	1·3	1·4	...	...	...	·2	·7	·3	4·4	4·4
31	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	0·4	1·1
Sum.	0·5	0·3	1·0	2·7	**4·2**	3·1	3·6	1·8	1·3	1·7	2·1	0·4	0·8	1·0	5·4	2·4	1·7	1·6	...	0·2	3·5	1·1	2·0	0·6	43·0	37·4
Total Duration.	hr. 1·3	hr. 1·6	hr. 2·4	hr. 2·6	hr. 3·1	hr. **3·4**	hr. 2·5	hr. 1·2	hr. 0·7	hr. 1·4	hr. 2·3	hr. 0·5	hr. 0·6	hr. 0·6	hr. 2·5	hr. 1·1	hr. 1·3	hr. 1·3	hr. ...	hr. 0·4	hr. 1·6	hr. 0·8	hr. 2·6	hr. 1·6	hr. 37·4	

417. Richmond (Kew Observatory): H_r = 5·5 metres + 0·53 metres. **April, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	1·3	1·6	1·8	1·2	1·6	1·8	1·7	1·2	·4	·4	·1	·3	1·0	·6	...	·1	·2	...	**15·3**	**13·7**
4	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	0·8	0·3
6	·7	·5	·9	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·3	2·3
7	...	...	...	...	...	...	...	...	...	...	...	...	·2	·3	·2	·1	·1	·2	...	...	...	...	...	...	1·1	4·0
8	...	...	·1	...	·9	1·0	·4	...	...	...	·1	...	...	...	...	...	...	...	...	1·2	2·2	...	...	...	5·9	3·7
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	1·2	·1	...	...	...	...	1·6	1·4
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	·2	·4	·1	·6	·4	·6	·6	1·1	·8	1·8	·5	·5	·2	...	...	7·8	9·4
13	...	...	·8	...	...	·2	...	...	...	...	...	...	...	...	...	...	·4	1·3	·9	1·0	1·0	1·2	1·5	1·0	9·3	8·1
14	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	0·3	0·7
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(·6)	(1·1)	(·4)	...	...	...	...	...	2·1	2·3
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	·2	·5	·4	·2	·4	·6	·4	·5	·8	·9	·7	·5	·5	·2	...	...	...	...	...	...	...	...	6·8	13·6
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	·2	...	·1	·3	...	...	...	...	...	...	...	...	...	0·6	0·4
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	1·3	2·4	2·0	1·5	·9	·9	9·2	6·3
26	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	·2	...	...	0·6	0·6
27	...	...	...	...	...	...	...	...	...	...	...	...	·3	·1	1·8	·1	...	...	...	...	...	...	...	...	2·3	0·6
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	0·9	0·7	2·0	0·8	1·3	1·4	2·1	2·2	2·2	1·9	2·9	3·0	3·5	2·6	3·9	1·5	2·3	4·2	**6·6**	5·8	5·7	3·3	2·6	2·7	66·1	67·6
Total Duration.	hr. 1·0	hr. 0·9	hr. 2·0	hr. 1·4	hr. 2·0	hr. 2·3	hr. 3·0	hr. 2·0	hr. 2·0	hr. 2·4	hr. 2·6	hr. 2·4	hr. 3·6	hr. 4·2	hr. 4·1	hr. 3·6	hr. 3·0	hr. 4·8	hr. **5·5**	hr. 4·3	hr. 2·6	hr. 2·0	hr. 2·6	hr. 2·4	hr. 67·6	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts, in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

418. Richmond (Kew Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **May, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	·2	·3	·5	·2	·2	...	...	3·3	2·3
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	·4	1·0	·5	...	...	...	·3	2·6	1·1	...	...	·4	...	...	...	6·3	**4·0**
4	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	1·1	·1	...	...	...	...	...	...	...	...	1·5	0·5
5	...	...	...	...	...	...	...	·3	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	0·7
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	·8	1·4	·5	·3	·3	·1	·3	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	3·9	**4·0**
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·1
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	(9·8)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	**9·8**	0·6
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	...	...	0·8	1·4	**10·3**	0·3	0·3	0·7	0·9	0·4	1·0	0·7	0·2	0·1	1·1	0·4	4·5	1·3	0·3	0·5	0·6	0·2	...	...	26·0	12·2
Total Duration.	hr. ...	hr. ...	hr. 1·0	hr. 1·0	hr. **1·4**	hr. 0·4	hr. 0·4	hr. 0·6	hr. 0·5	hr. 0·4	hr. 0·6	hr. 0·7	hr. 0·1	hr. 0·1	hr. 0·2	hr. 0·3	hr. 2·0	hr. 1·2	hr. 0·2	hr. 0·5	hr. 0·5	hr. 0·1	hr. ...	hr. ...	hr. 12·2	

419. Richmond (Kew Observatory) : H_r = 5·5 metres + 0·53 metres. **June, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	0·2	0·2
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	0·1	0·1
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	·5	1·7	...	...	...	...	...	...	...	...	...	...	2·2	1·2
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	·6	1·0	·4	·3	·2	·8	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·4	5·0
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	...	·3	...	...	·4	...	1·0	1·4
23	...	...	...	...	...	1·0	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	0·7
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	·8	·1	·5	...	...	...	...	...	1·7	1·3
25	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	0·1	0·2
26	...	...	...	...	...	...	·4	·4	·4	·1	·2	...	·2	·5	·2	·3	·4	...	...	...	...	...	...	...	3·1	**5·6**
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·8	2·2	2·0	2·1	1·4	...	...	**8·6**	4·7
29	...	...	...	...	...	...	...	...	...	...	·2	...	1·9	...	...	·9	...	...	...	...	...	...	...	...	3·0	0·8
30	...	...	...	...	...	...	...	...	...	...	...	·2	...	·1	...	...	...	...	...	...	...	...	...	...	0·3	0·2
Sum.	0·6	1·0	0·4	0·3	0·2	1·8	0·7	0·4	0·4	0·2	0·4	0·2	2·6	2·4	0·7	1·3	1·3	1·2	**2·7**	2·3	2·1	1·4	0·4	...	25·0	21·4
Total Duration.	hr. 0·7	hr. 1·0	hr. 1·0	hr. 1·0	hr. 0·5	hr. 1·0	hr. 1·1	hr. 1·0	hr. 1·0	hr. 0·3	hr. 0·6	hr. 0·1	hr. 0·9	hr. **1·8**	hr. 1·2	hr. 0·9	hr. 1·3	hr. 0·9	hr. 1·0	hr. 1·5	hr. 1·0	hr. 1·0	hr. 0·6	hr. ...	hr. 21·4	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts, in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

420. Richmond (Kew Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **July, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0·24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·4
2	·5	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	2·4	·2	...	3·8	2·5
3	...	...	...	...	...	·3	·3	·4	·1	·2	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	1·6	2·8
4	...	...	...	...	...	...	...	...	...	...	...	...	·2	·6	·5	·3	...	...	...	...	...	...	...	...	1·6	1·9
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·1	1·5	1·0	1·2	1·0	1·4	·2	·8	2·2	11·4	**9·8**
6	2·4	3·5	2·2	·3	...	...	·4	...	...	...	...	...	...	·1	...	...	...	·1	...	·1	...	...	...	...	9·1	4·4
7	...	...	...	...	...	...	...	...	...	...	·8	·6	·3	...	...	4·2	4·0	2·6	2·0	...	...	...	...	...	14·5	3·4
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·2	...	...	...	...	...	...	...	0·8	0·7
9	...	...	...	...	...	·3	·7	·8	·2	...	1·7	·2	...	...	...	...	...	...	...	...	...	...	...	...	3·9	2·9
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	0·1	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·7	...	...	...	...	...	...	...	0·8	0·4
14	...	...	...	...	...	·8	·9	1·1	1·0	·6	·3	·1	·2	·4	·2	·2	...	...	...	...	...	...	...	...	5·8	7·2
15	...	·6	1·5	1·9	2·7	·3	...	...	...	...	...	...	...	...	...	...	...	·9	...	...	...	...	...	...	7·9	4·3
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	·3	1·0	·3	·3	...	...	·1	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	2·1	2·5
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	...	...	...	0·3	0·2
22	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	3·6	4·8	...	...	...	...	...	...	...	8·6	1·4
23	...	...	...	...	...	...	...	...	...	·3	...	...	...	1·4	·4	...	...	...	...	...	...	...	...	...	2·1	2·0
24	...	...	2·3	·2	1·1	·2	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·9	3·0
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·4	·8	1·0	·2	...	...	2·5	3·4
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	·8	·2	...	...	...	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	1·3	2·3
31	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	1·3	...	...	...	...	...	...	...	1·5	0·7
Sum.	3·2	5·3	6·3	3·5	4·0	1·9	2·4	2·5	1·4	0·8	3·7	1·1	0·8	2·8	2·2	10·0	**12·7**	4·8	3·6	1·9	2·9	2·8	1·0	·2·2	83·8	56·0
Total Duration.	hr. 1·8	hr. 2·1	hr. 3·8	hr. 3·0	hr. 2·8	hr. 2·8	hr. 2·9	hr. 2·7	hr. 2·0	hr. 1·4	hr. 2·4	hr. 0·9	hr. 0·6	hr. 2·6	hr. 2·7	hr. 3·3	hr. **3·9**	hr. 2·3	hr. 2·5	hr. 2·3	hr. 2·7	hr. 2·3	hr. 1·2	hr. 1·0	hr. 56·0	

421. Richmond (Kew Observatory) : H_r = 5·5 metres + 0·53 metres. **August, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	0·1	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	·3	·1	...	...	(·2)	(·2)	...	2·2	1·8
4	...	(·2)	(·1)	(·1)	(·1)	(·1)	(·2)	·1	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	4·7
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	·2	·2	...	1·1	·4	...	·1	1·0	4·9	1·8	4·2	1·8	·5	**16·2**	**7·0**
7	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3
8	...	...	...	·1	1·0	·5	·2	...	...	...	...	·6	·1	...	...	...	...	...	...	...	...	...	...	...	2·5	3·8
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	1·1	·1	...	...	...	...	...	...	...	2·5	1·4
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	·2	...	...	...	...	1·7	·4	...	...	...	...	...	...	...	...	...	2·3	1·2
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	2·0	·3	...	...	...	...	...	...	...	3·0	2·4
13	...	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·8
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·2	0·6	0·7
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·4
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	1·0	1·3	1·7
23	·8	1·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·0	1·8
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	3·1	·5	...	...	·3	...	...	...	...	4·7	2·6
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	·1	·5	·7	·8	·4	·6	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	3·3	6·0
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·2	...	0·4	1·6
30	...	...	...	...	...	...	...	...	3·2	1·8	...	...	...	...	...	...	...	...	·4	·1	...	...	...	...	5·5	2·4
31	...	...	...	...	...	...	...	...	...	1·2	1·3	...	...	...	(·5)	(1·4)	...	...	...	...	...	...	...	...	4·4	1·7
Sum.	0·9	1·4	0·4	0·8	1·8	1·4	0·8	0·7	3·9	3·0	1·3	0·8	0·4	1·7	4·8	**8·0**	2·3	0·4	1·5	5·3	1·9	4·5	3·0	1·7	52·7	42·3
Total Duration.	hr. 1·0	hr. 1·9	hr. 1·2	hr. 2·1	hr. 2·4	hr. 2·4	hr. 2·7	hr. 1·4	hr. 2·2	hr. 0·9	hr. 1·0	hr. 0·7	hr. 0·8	hr. 0·8	hr. 3·1	hr. **4·0**	hr. 1·8	hr. 0·7	hr. 2·0	hr. 1·3	hr. 1·2	hr. 1·3	hr. 3·3	hr. 2·1	hr. 42·3	
G.M.T.	0·1	1·2	2·3	3·4	4·5	5·6	6·7	7·8	8·9	9·10	10·11	11·12	12·13	13·14	14·15	15·16	16·17	17·18	18·19	19·20	20·21	21·22	22·23	23·24	0·24	—

Amounts, in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

422. Richmond (Kew Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **September, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	M 0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	...	...	...	0·3	0·3
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...	...	1·0	0·8
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·6	·7	·9	2·3	3·1
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·3	2·5
13	·5	1·1	·1	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	·2	...	...	...	...	...	2·0	2·5
14	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	1·4	1·2	2·3	2·1	1·1	0·6	·3	9·1	**7·1**
15	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	·1	...	...	...	...	...	...	·7	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	1·2	0·9
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	3·2	3·3	3·3	1·6	1·6	·6	...	·1	...	...	...	...	...	...	...	...	**13·7**	5·5
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	·4	·3	·4	·1	...	...	...	...	...	·4	·3	·6	...	...	2·5	5·3
24	...	...	...	...	...	·2	1·6	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·3	2·6
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·8
27	...	...	...	...	...	...	...	...	...	...	...	·4	·1	·2	·6	·1	...	...	...	...	...	...	...	...	1·4	2·6
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	0·1	0·5
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	·5	1·5	...	1·3	3·5	2·4
Sum.	0·6	1·2	0·1	...	...	0·2	1·7	0·6	**4·0**	3·3	3·7	2·7	2·2	0 9	0·6	1·2	0·2	1·6	1·5	2·8	3·0	3·8	1·5	2·5	39·7	34·6
Total Duration.	hr. 1·2	hr. 1·2	hr. 0·2	hr. ...	hr. ...	hr. 0 ·3	hr. 1·1	hr. 1·8	hr. 1·8	hr. 1·0	hr. 1·6	hr. 2·6	hr. 2·5	hr. 1·1	hr. 1·0	hr. 1·2	hr. 0·1	hr. 1·2	hr. 1·3	hr. 2·3	hr. 2·7	hr. **3·7**	hr. 2·1	hr. 2·6	hr. 34·6	

423. Richmond (Kew Observatory) : H_r = 5·5 metres + 0·53 metres. **October, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	·3	...	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·8	...	...	...	...	1·9	2·0
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	·7	1·0	·7	·8	·5	3·4	...	...	...	**7·8**	4·8
5	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	1·3	...	...	...	...	...	...	...	...	...	1·4	0·6
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	·1	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	1·2
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	·3	0·4	0·5
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	·6	·6	·9	1·0	·1	·2	·2	·2	...	...	·1	...	...	...	...	...	·1	...	...	...	...	...	...	4·0	**7·2**
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	...	0·2	0·7
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	·2	·9	1·3	·1	2·7	2·9
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	0·3	0·7	1·1	0·9	1·0	0·1	0·4	0·2	0·4	...	0·2	0·1	...	...	2·1	0·7	1·0	1·0	1·1	1·3	**3·7**	0·9	1·4	0·4	19·0	20·2
Total Duration.	hr. 0·6	hr. 0·8	hr. **1·6**	hr. 1·0	hr. 1·0	hr. 0·5	hr. 1·3	hr. 1·0	hr. **1·6**	hr. ...	hr. 0·1	hr. 0·2	hr. 0·3	hr. ...	hr. 1·2	hr. 0·8	hr. 0·9	hr. 1·2	hr. 0·6	hr. 1·5	hr. 1·2	hr. 0·8	hr. 1·5	hr. 0·5	hr. 20·2	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts, in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

424. Richmond (Kew Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **November, 1922.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	·2	·1	1·6	1·6	1·4	1·5	1·6	1·2	·8	·6	·1	...	...	...	...	...	...	...	**10·7**	**8·5**
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	·1	·1	...	·2	1·2	·4	·4	·1	·1	...	...	...	...	...	...	...	·5	1·4	4·5	5·7
4	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·5
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·1	2·2	1·3	1·1	0·1	...	6·5	5·2
6	...	...	...	...	·6	2·7	1·2	·2	...	...	...	...	...	...	1·5	1·2	·1	...	·1	...	·5	...	...	...	8·1	4·4
7	...	...	...	...	·4	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·2
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	·5	1·1	·5	·1	...	...	1·6	·1	...	...	4·0	4·1
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
15	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	0·2	...
16	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	...	...	...	...	0·3	1·8
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	0·5	...	...	...	1·0	3·1	1·7	0·4	1·8	1·9	2·7	1·9	2·0	1·3	2·9	3·1	0·8	0·8	1·2	2·3	**3·4**	1·2	0·6	1·4	36·0	31·4
Total Duration.	hr. 0·5	hr. ...	hr. ...	hr. ...	hr. 0·8	hr. 1·7	hr. 1·2	hr. 0·7	hr. 1·1	hr. 1·3	hr. 2·0	hr. 1·8	hr. 2·0	hr. 1·4	hr. 3·0	hr. **3·4**	hr. 1·6	hr. 1·9	hr. 1·1	hr. 1·0	hr. 1·9	hr. 1·2	hr. 0·8	hr. 1·0	hr. 31·4	

425. Richmond (Kew Observatory) : H_r = 5·5 metres + 0·53 metres. **December, 1922.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	·2	...	...	...	·4	·1	...	...	...	...	...	...	...	...	1·2	·2	·2	...	...	·2	...	...	...	...	2·5	4·7
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	·4	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·3
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·5
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	0·1	0·3
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·5	...	0·8	0·6
17	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·5	·5	·4	·4	2·4	3·8
18	·4	·1	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·2	2·9	4·0	2·5
19	·1	...	·4	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	1·1	1·7
20	...	·3	1·6	2·1	1·1	1·0	·8	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7·1	5·1
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·8	·7	·6	3·4	2·3	2·3	1·0	11·2	6·6
22	1·3	·6	·8	1·1	...	...	...	...	...	...	...	...	...	·6	·4	...	...	...	...	...	...	...	...	...	4·8	3·7
23	...	...	...	...	0·7	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·1
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	·5	·7	·1	...	·1	1·6	1·0	·1	...	...	·1	...	...	4·2	3·9
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	·4	·5	·6	...	...	1·2	·6	3·9	2·0	...	...	...	...	...	...	...	...	9·2	5·1
28	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	·1	·7	·2	·4	...	1·5	2·5
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	·6	·7	·1	1·6	2·0
30	...	1·9	·1	...	...	...	...	...	...	...	...	...	·6	...	...	·1	·6	3·5	·3	...	...	·3	·1	...	7·5	4·7
31	2·0	0·9	·1	...	...	·2	·6	·7	1·1	1·0	·9	1·2	2·1	·5	·7	·1	...	...	...	...	...	...	...	...	**12·1**	**11·8**
Sum.	4·2	3·9	3·2	3·4	2·2	1·5	1·5	1·1	1·6	2·2	1·2	1·8	4·6	1·8	**6·5**	2·5	2·4	5·3	1·1	1·3	4·7	4·5	5·1	4·4	72·0	61·9
Total. Duration.	hr. 2·6	hr. 3·5	hr. 3·4	hr. 1·6	hr. 2·9	hr. 2·0	hr. 1·7	hr. 1·3	hr. 1·5	hr. 2·4	hr. 1·5	hr. 1·7	hr. 3·0	hr. 2·0	hr. 3·5	hr. 2·8	hr. 2·8	hr. 2·6	hr. 1·4	hr. 2·3	hr. 3·1	hr. 4·6	hr. **4·8**	hr. 2·9	hr. 61·9	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

426. Richmond (Kew Observatory) : h_s (Height of recorder above ground) = 13·3 metres. **January, 1922.**

Days.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation, Ångström Pyrheliometer. Sky.	Total.	Vertical.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	—	—	—	—	…	…	…	…	…	…	…	…	—	—	—	—	—	…	…	…	…	…
2	—	—	—	—	—	…	…	·3	·2	…	…	·2	·3	—	—	—	—	—	1·0	13	…	…	…
3	—	—	—	—	—	…	…	…	…	…	…	·3	…	—	—	—	—	—	0·3	4	…	…	…
4	—	—	—	—	—	·1	·8	1·0	1·0	1·0	1·0	·8	…	—	—	—	—	—	**5·7**	**72**	Ci.	51·0	14
5	—	—	—	—	—	·1	·7	1·0	·8	·6	…	…	…	—	—	—	—	—	3·2	41	Ci.	3·3	1
6	—	—	—	—	—	…	…	·3	1·0	1·0	·5	…	…	—	—	—	—	—	2·8	35	…	…	…
7	—	—	—	—	—	…	…	…	…	…	…	…	…	—	—	—	—	—	…	…	…	…	…
8	—	—	—	—	—	…	…	·1	·5	·2	…	…	…	—	—	—	—	—	0·8	10	…	…	…
9	—	—	—	—	—	…	…	…	…	…	…	…	…	—	—	—	—	—	…	…	…	…	…
10	—	—	—	—	—	…	…	…	·1	1·0	1·0	·9	…	—	—	—	—	—	3·0	37	Clear	57·4	16
11	—	—	—	—	—	…	·7	·7	1·0	1·0	·2	·2	…	—	—	—	—	—	3·8	47	Haze	46·6	13
12	—	—	—	—	…	…	·8	1·0	1·0	1·0	1·0	·4	…	…	—	—	—	—	5·2	63	Haze	41·6	12
13	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…
14	—	—	—	—	…	·1	…	·1	·6	·2	…	…	…	…	—	—	—	—	1·0	12	Haze	43·4	13
15	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…
16	—	—	—	—	…	…	·7	1·0	·8	·7	1·0	·4	·3	…	—	—	—	—	4·9	59	Clear	58·8	18
17	—	—	—	—	…	…	…	…	·7	1·0	·7	·8	…	…	—	—	—	—	3·2	38	Ci.	28·0	8
18	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…
19	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…
20	—	—	—	—	…	…	…	…	…	·8	·7	1·0	·7	…	—	—	—	—	3·2	38	…	…	…
21	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…
22	—	—	—	—	…	…	…	…	·5	·9	1·0	·6	…	…	—	—	—	—	3·0	35	…	…	…
23	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…
24	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…
25	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…
26	—	—	—	—	…	·1	·3	…	…	…	…	…	…	…	—	—	—	—	0·4	5	…	…	…
27	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…
28	—	—	—	—	…	…	·8	·4	1·0	·9	·5	·2	…	…	—	—	—	—	3·8	43	Clear	59·8	21
29	—	—	—	—	…	·3	·9	0·6	·4	·4	…	…	…	…	—	—	—	—	2·6	29	…	…	…
30	—	—	—	—	…	…	…	…	·5	·4	…	…	…	…	—	—	—	—	0·9	10	…	…	…
31	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…
Sum.	—	—	—	—	0·0	0·7	5·7	6·5	10·1	**11·1**	7·6	5·8	1·3	0·0	—	—	—	—	48·8	—	—	—	—
Mean	—	—	—	—	0·00	0·02	0·18	0·21	0·33	**0·36**	0·25	0·19	0·04	0·00	—	—	—	—	1·57	19	—	—	—

427. Richmond (Kew Observatory) : h_s = 13·3 metres. **February, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	—	—	—	…	…	·6	1·0	1·0	1·0	1·0	·8	…	…	—	—	—	—	5·4	59	Clear	67·2	24
2	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…
3	—	—	—	—	…	…	…	…	…	…	·6	·5	·1	…	—	—	—	—	1·2	13	…	…	…
4	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…
5	—	—	—	—	…	…	…	…	·1	…	…	…	…	…	—	—	—	—	0·1	1	…	…	…
6	—	—	—	—	…	…	·9	·9	1·0	·4	…	·1	…	…	—	—	—	—	3·3	35	Ci.	47·2	18
7	—	—	—	—	…	…	…	·4	·1	·1	·2	…	…	…	—	—	—	—	0·8	9	…	…	…
8	—	—	—	—	…	·1	·7	·9	1·0	·9	1·0	·8	·5	…	—	—	—	—	5·9	62	Clear	59·4	24
9	—	—	—	—	…	·1	1·0	1·0	1·0	1·0	1·0	·9	…	…	—	—	—	—	6·0	63	Haze	47·0	19
10	—	—	—	—	…	…	·6	·6	·3	·9	·9	·8	…	…	—	—	—	—	4·1	43	…	…	…
11	—	—	—	—	…	…	·8	·6	·9	1·0	1·0	·7	…	…	—	—	—	—	5·0	52	…	…	…
12	—	—	—	—	…	·7	1·0	1·0	1·0	1·0	1·0	·7	·1	…	—	—	—	—	6·5	67	…	…	…
13	—	—	—	—	…	…	·3	1·0	·4	…	0·3	0·3	0·4	…	—	—	—	—	2·7	28	…	…	…
14	—	—	—	—	…	…	·5	1·0	1·0	·9	·1	…	…	…	—	—	—	—	3·5	35	Haze	55·1	24
15	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…
16	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…
17	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…
18	—	—	—	—	…	1·0	1·0	1·0	1·0	1·0	1·0	·9	·4	·6	—	—	—	—	7·9	79	Clear	76·9	35
19	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…
20	—	—	—	…	·7	1·0	1·0	·8	1·0	·9	·2	·5	·9	·4	…	—	—	—	7·4	73	Ci.	75·5	35
21	—	—	—	…	…	…	…	…	·8	1·0	1·0	1·0	…	…	…	—	—	—	3·8	37	Clear	71·1	33
22	—	—	—	…	…	…	·8	·8	·9	·7	·7	·1	·2	…	…	—	—	—	4·2	40	…	…	…
23	—	—	—	…	…	…	…	·1	…	·2	·1	…	…	…	…	—	—	—	0·4	4	…	…	…
24	—	—	—	…	…	…	…	…	…	·1	…	…	…	…	…	—	—	—	0·1	1	…	…	…
25	—	—	—	…	·7	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	…	—	—	—	9·2	87	Haze	84·0	41
26	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	—	—	—	…	…	…	…	…
27	—	—	—	…	·7	1·0	1·0	1·0	·9	·9	·7	·5	·3	…	…	—	—	—	7·0	65	Cloud	67·1	34
28	—	—	—	…	·8	·9	·9	1·0	1·0	1·0	·5	·1	…	…	…	—	—	—	6·2	58	…	…	…
Sum.	—	—	—	0·0	2·9	5·7	12·1	14·1	**14·4**	14·0	12·3	9·7	3·9	1·6	0·0	—	—	—	90·7	—	—	—	—
Mean	—	—	—	0·00	0·10	0·20	0·43	0·50	**0·51**	0·50	0·44	0·35	0·14	0·06	0·00			—	3·24	33	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible	Radiation, Ångstrom Pyrheliometer. Sky.	Total.	Vertical.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

428. Richmond (Kew Observatory) : h_S (Height of recorder above ground) = 13·3 metres. **March, 1922.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation, Ångström Pyrheliometer. Sky.	Total.	Vertical.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm².	mw/cm².
1	—	—	—	...	...	...	...	...	...	·6	·6	...	·4	...	...	—	—	—	1·6	15	...	...	...
2	—	—	—	...	·7	·9	·9	1·0	·9	·7	·7	·6	·9	...	...	—	—	—	7·3	67	Clear	76·9	40
3	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
4	—	—	—	...	...	...	...	...	...	...	...	...	·1	1·0	·2	—	—	—	1·3	12	...	...	...
5	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
6	—	—	—	...	...	...	...	·2	·5	·3	·7	·3	...	...	...	—	—	—	2·0	18	...	...	...
7	—	—	—	...	·2	·6	·8	·9	·1	...	...	...	·8	·5	...	—	—	—	3·9	35	...	...	...
8	—	—	—	...	...	...	...	...	...	...	·5	...	·4	·3	...	—	—	—	1·2	11	...	...	...
9	—	—	—	...	·5	·9	1·0	1·0	1·0	·9	·8	·9	1·0	1·0	·2	—	—	—	**9·2**	**81**	Clear	84·8	47
10	—	—	—	...	·3	1·0	1·0	1·0	1·0	·4	·6	·8	·9	1·0	...	—	—	—	8·0	70	...	...	...
11	—	—	—	...	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	—	—	—	8·5	74	Clear	70·3	40
12	—	—	—	...	...	...	·2	·2	...	·7	·9	1·0	1·0	·3	...	—	—	—	4·3	37	...	...	...
13	—	—	—	...	...	...	...	...	...	...	...	...	·3	·1	...	—	—	—	0·4	3	...	...	...
14	—	—	—	...	...	...	·1	·9	·8	·9	·9	...	·1	...	...	—	—	—	3·7	32	Ci.	20·8	12
15	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
16	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
17	—	—	—	...	...	...	...	...	...	...	...	·4	·6	...	...	—	—	—	1·0	80	...	...	...
18	—	—	—	...	...	...	...	...	...	·8	1·0	1·0	·8	...	...	—	—	—	3·6	30	...	...	...
19	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
20	—	—	—	...	...	...	...	...	...	...	...	...	...	·3	...	—	—	—	0·3	2	...	...	...
21	—	—	—	...	...	...	·1	·1	·6	·5	·5	·9	...	...	...	—	—	—	2·7	22	...	...	...
22	—	—	...	...	...	·4	...	·2	·3	·7	·9	·7	·9	1·0	·3	...	—	—	5·4	44	...	...	...
23	—	—	...	...	1·0	1·0	1·0	1·0	1·0	·9	·8	1·0	·7	·3	...	...	—	—	8·7	71	Ci.	62·7	40
24	—	—	...	...	·2	1·0	1·0	·5	·2	...	·1	·1	...	...	...	...	—	—	3·1	25	...	...	...
25	—	—	...	...	...	·1	·2	·3	·6	·7	·8	·9	·1	...	·1	...	—	—	3·8	31	Clear	79·4	51
26	—	—	...	...	...	...	·2	·6	·8	·8	·6	...	...	...	...	...	—	—	3·0	24	...	...	...
27	—	—	...	...	...	...	...	·1	...	·5	·8	·8	·7	...	...	...	—	—	2·9	23	...	...	...
28	—	—	...	...	...	·5	·3	·1	·2	·4	·5	...	...	...	...	...	—	—	2·0	16	...	...	...
29	—	—	...	·4	...	·7	·3	·2	·1	·1	...	...	...	...	...	...	—	—	1·8	14	...	...	...
30	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
31	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
Sum.	—	—	0·0	0·4	2·9	8·0	8·1	9·3	9·1	10·9	**12·7**	10·4	10·7	6·4	0·8	0·0	—	—	89·7	—	—	—	—
Mean	—	—	0·00	0·01	0·09	0·26	0·26	0·30	0·29	0·35	**0·41**	0·34	0·35	0·21	0·03	0·00	—	—	2·89	27	—	—	—

429. Richmond (Kew Observatory) : h_S = 13·3 metres. **April, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm².	mw/cm².
1	—	—	...	...	...	...	·7	·3	·3	·3	·6	·7	·1	·2	...	...	—	—	3·2	25	...	...	...
2	—	—	...	...	·4	1·0	1·0	1·0	1·0	1·0	·7	·5	·9	1·0	·5	...	—	—	9·0	70	...	...	...
3	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
4	—	—	...	·3	1·0	·8	·6	·8	·8	·7	·8	·7	·8	...	...	...	—	—	7·3	56	...	...	...
5	—	—	...	...	·7	1·0	1·0	·9	·5	·1	·2	·3	·6	·1	...	...	—	—	5·4	41	Cloud	78·3	55
6	—	—	...	...	...	...	·5	·8	·5	·7	·7	·9	·2	·4	...	...	—	—	4·7	36	Cloud	65·9	46
7	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
8	—	—	...	...	...	...	...	...	...	...	...	...	...	·5	...	...	—	—	0·5	4	...	...	...
9	—	—	...	...	...	...	...	...	...	·5	·2	...	·5	...	...	...	—	—	1·2	9	...	...	...
10	—	—	...	...	...	·1	·5	·1	·6	·8	1·0	·9	·8	·5	·8	...	—	—	6·1	46	...	...	...
11	—	—	...	...	...	...	...	1·0	·8	·9	·4	·8	·3	...	...	...	—	—	4·2	31	...	...	...
12	—	—	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	—	—	0·3	2	...	...	...
13	—	—	...	...	·5	1·0	1·0	1·0	·7	·4	·1	...	...	...	...	...	—	—	4·7	35	...	...	...
14	—	—	...	...	...	·3	·2	...	·4	1·0	1·0	·3	...	...	...	...	—	—	3·2	23	...	...	...
15	—	—	...	...	·5	1·0	1·0	·8	·5	·6	·9	·9	·5	·2	...	...	—	—	6·9	50	...	...	...
16	—	—	·1	·7	·5	·1	·1	...	·3	...	...	...	...	...	...	...	—	—	1·8	13	...	...	...
17	—	—	·2	·4	·3	·5	·4	·5	...	·2	·8	·2	·4	...	·6	...	—	—	4·5	32	...	...	...
18	—	—	...	·2	·7	·5	·4	·1	·3	·1	·3	·6	·4	...	...	...	—	—	3·6	26	...	...	...
19	—	—	...	...	·1	·8	1·0	1·0	1·0	1·0	1·0	·9	·9	·9	1·0	·6	—	—	**10·2**	**73**	Ci.	71·0	54
20	—	—	...	...	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	1·0	·2	—	—	9·5	67	Haze	65·6	50
21	—	...	...	·2	·9	1·0	1·0	·8	·6	·5	·1	·8	·6	·1	·4	·3	...	—	7·3	52	...	...	...
22	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...
23	—	...	...	·7	1·0	·6	·6	·6	·6	·8	...	·2	·3	·2	·6	·1	...	—	6·3	44	...	...	...
24	—	...	·1	1·0	·8	·6	·4	·4	·7	·6	·8	·9	·9	·8	·1	·4	...	—	8·5	59	Clear	86·9	68
25	—	...	·1	·7	·9	·8	·7	1·0	·8	·5	·6	·2	...	...	...	...	...	—	6·3	44	...	...	...
26	—	...	...	...	...	·1	·2	·2	·6	·8	·5	...	...	·7	·5	·4	...	—	4·0	28	...	...	...
27	—	...	...	...	·1	·1	·7	·6	·7	·2	...	·2	·1	·3	·2	...	...	—	3·2	22	Ci.	65·8	52
28	—	...	...	·4	·1	·6	·9	·8	·7	·9	·9	·1	...	·8	·1	...	...	—	6·3	43	...	...	...
29	—	...	...	·4	1·0	1·0	1·0	1·0	·8	·9	·7	·5	·5	...	...	...	...	—	7·8	53	Haze	66·3	53
30	—	...	...	·8	·9	·1	·8	·8	·1	·5	·1	...	...	·2	·1	·3	...	—	4·7	32	...	...	...
Sum.	—	0·0	0·5	5·8	10·7	12·9	**15·7**	15·5	14·3	15·0	13·4	11·6	9·8	7·3	5·9	2·3	0·0	—	140·7	—	—	—	—
Mean	—	0·00	0·02	0·19	0·36	0·43	**0·52**	0·52	0·48	0·50	0·45	0·39	0·33	0·24	0·20	0·08	0·00	—	4·69	34	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation, Ångström Pyrheliometer. Sky.	Total.	Vertical.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

430. Richmond (Kew Observatory) : h_s (Height of recorder above ground) = 13·3 metres. **May, 1922.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation, Ångström Pyrheliometer. Sky.	Total.	Vertical.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	…	…	…	·2	1·0	·7	·5	·1	·5	·4	·4	…	…	…	…	…	—	3·8	26	…	…	…
2	—	…	…	…	…	…	·1	·7	·6	·2	·1	·5	1·0	·6	·8	…	…	—	4·6	31	Cloud	51·4	41
3	—	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	—	…	…	…	…	…
4	—	…	·4	1·0	1·0	1·0	·8	·5	·8	·5	·5	·5	·8	1·0	1·0	·7	—	—	10·5	70	Clear	82·5	67
5	—	…	…	…	…	·2	·2	…	·6	·9	·9	·9	·9	·8	1·0	·8	…	—	7·2	48	…	…	…
6	—	…	·9	·9	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	·9	1·0	1·0	·1	…	—	12·7	84	Ci.	57·6	47
7	—	…	…	·8	1·0	1·0	1·0	1·0	·8	1·0	1·0	·9	1·0	·9	·9	·9	·1	—	12·3	81	…	…	…
8	—	…	…	·7	1·0	·9	·9	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·1	—	12·3	81	Clear	80·6	66
9	—	…	·5	1·0	·9	·9	1·0	·9	·9	1·0	1·0	·7	·8	·8	·2	…	…	—	10·6	70	…	…	…
10	—	…	…	…	…	…	…	…	…	…	…	·1	…	…	…	…	…	—	0·1	1	…	…	…
11	—	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	—	…	…	…	…	…
12	—	…	…	…	·6	·1	·9	1·0	1·0	·9	·9	·4	·5	·4	·5	…	…	—	7·2	47	Clear	82·7	69
13	—	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·8	·4	…	—	13·2	86	Clear	79·7	67
14	—	…	…	·7	1·0	1·0	1·0	·9	1·0	·9	·9	1·0	·9	·8	·9	1·0	…	—	12·0	77	…	…	…
15	—	…	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·2	—	13·8	89	Ci.	80·0	67
16	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	·3	·1	—	13·6	87	Clear	87·5	74
17	—	…	…	…	…	…	…	…	…	…	…	…	·2	·4	·5	…	…	—	1·1	7	…	…	…
18	—	…	…	…	…	…	…	·3	·1	·2	·8	·7	·6	·6	·7	·1	…	—	4·1	26	…	…	…
19	—	…	…	…	…	…	…	…	…	·9	·7	1·0	1·0	1·0	1·0	1·0	·4	—	7·0	45	…	…	…
20	—	…	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·1	—	13·4	85	Ci.	81·6	70
21	—	…	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	1·0	1·0	1·0	·5	—	13·9	88	…	…	…
22	—	…	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·9	·2	…	—	12·8	81	Ci.	70·5	60
23	—	…	·5	1·0	·9	·5	·8	·6	·1	·8	1·0	1·0	1·0	1·0	·9	·6	…	—	10·7	67	…	…	…
24	—	…	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·9	·9	·7	…	—	13·1	82	…	…	…
25	—	…	…	·2	·6	·3	·9	·8	·8	·9	·9	·3	·9	1·0	1·0	0·7	…	—	9·3	58	…	…	…
26	—	…	…	…	…	…	…	1·0	1·0	1·0	1·0	1·0	·4	·2	·3	·8	·3	—	7·0	44	Ci.	82·8	71
27	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	…	—	14·3	89	Clear	83·8	72
28	—	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	…	**14·7**	**91**	…	…	…
29	…	…	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	·6	…	…	13·2	82	…	…	…
30	…	…	·2	1·0	1·0	1·0	1·0	1·0	·7	·4	·8	·9	1·0	·6	1·0	·6	…	…	11·2	69	…	…	…
31	…	…	·4	1·0	1·0	1·0	·7	1·0	1·0	·9	·9	·8	·9	·9	·4	…	…	…	10·9	67	…	…	…
Sum.	0·0	1·2	10·8	18·3	20·2	19·9	21·0	22·1	21·5	23·0	**23·7**	23·1	23·5	22·5	22·7	15·1	2·0	0·0	290·6	—	—	—	—
Mean	0·00	0·04	0·35	0·59	0·65	0·64	0·68	0·71	0·69	0·74	**0·76**	0·75	0·76	0·73	0·73	0·49	0·06	0·00	9·37	60	—	—	—

431. Richmond (Kew Observatory) : h_s = 13·3 metres. **June, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	…	…	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	·9	·9	·2	…	12·8	79	Haze	66·6	58
2	…	…	…	…	…	…	…	…	…	…	…	·3	1·0	1·0	·5	·1	…	…	2·9	18	…	…	…
3	…	…	…	…	…	…	·2	1·0	1·0	·7	·3	·8	1·0	·9	·9	·8	…	…	7·6	47	…	…	…
4	…	·2	1·0	1·0	1·0	1·0	1·0	·8	·8	·6	1·0	·8	1·0	·9	1·0	1·0	·4	…	13·5	83	…	…	…
5	…	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	…	…	13·8	84	…	…	…
6	…	·1	1·0	·6	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	…	13·5	82	…	…	…
7	…	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	…	**14·6**	**89**	Clear	82·7	73
8	…	·2	1·0	1·0	1·0	·2	…	…	…	…	…	…	…	…	…	…	…	…	3·4	21	…	…	…
9	…	…	…	…	·4	…	…	·7	·9	1·0	·8	·7	·9	·4	·9	1·0	·1	…	7·8	48	Haze	68·8	60
10	…	…	·6	1·0	1·0	1·0	1·0	1·0	·8	·8	·9	·6	·4	·3	·2	·6	…	…	10·2	62	Haze	69·5	61
11	…	·7	1·0	1·0	·5	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	…	14·5	88	…	…	…
12	…	·1	·2	…	·5	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	…	12·1	73	Clear	75·7	67
13	…	…	·7	·4	·9	·9	·5	·6	·1	…	…	…	…	…	…	…	…	…	4·1	25	…	…	…
14	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
15	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
16	…	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·1	…	·1	·3	…	…	10·5	64	…	…	…
17	…	…	…	…	·2	1·0	1·0	·9	·6	·3	·2	·6	·7	·4	·5	·8	·1	…	7·3	44	…	…	…
18	…	…	…	…	…	…	·1	…	…	·3	·7	·9	1·0	·9	·2	…	…	…	4·1	25	…	…	…
19	…	…	…	…	…	·7	·2	·6	·3	·4	·9	·9	1·0	1·0	·8	·8	·6	…	8·2	49	…	…	…
20	…	…	…	…	…	…	…	·4	·3	·8	·7	·6	·5	·3	·9	·8	·7	…	6·0	36	…	…	…
21	…	·7	1·0	1·0	·7	·9	·9	·7	·7	·3	·8	·9	·9	·7	·3	·5	…	…	11·0	66	…	…	…
22	…	·8	1·0	1·0	1·0	·8	·5	·3	·2	·1	…	…	…	…	…	…	…	…	5·7	34	…	…	…
23	…	…	…	·2	·8	·3	·4	·4	·5	·2	·4	·5	·2	·2	·1	·3	·3	…	4·8	29	…	…	…
24	…	·6	1·0	·9	·5	·1	…	…	…	…	…	…	…	…	…	…	·2	…	3·3	20	…	…	…
25	…	·7	1·0	1·0	·8	·8	·8	·9	·9	·5	·7	·6	1·0	·7	·5	1·0	·6	…	12·5	75	…	…	…
26	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
27	…	…	1·0	·2	·5	…	…	…	…	…	·1	·4	·5	·5	·7	…	…	…	3·9	23	…	…	…
28	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
29	…	…	1·0	1·0	1·0	·9	·8	·8	·5	·3	·9	·8	·9	·9	·9	·8	·6	…	12·1	73	Clear	86·9	77
30	…	…	1·0	1·0	1·0	·5	…	·1	·4	·7	·6	·4	…	·1	·3	…	…	…	6·1	37	…	…	…
Sum.	0·0	4·4	15·7	15·3	16·2	15·8	14·4	16·2	15·0	14·0	16·0	16·7	**17·1**	14·8	14·7	14·4	5·6	0·0	226·3	—	—	—	—
Mean	0·00	0·15	0·52	0·51	0·54	0·53	0·48	0·54	0·50	0·47	0·53	0·56	**0·57**	0·49	0·49	0·48	0·19	0·00	7·54	46	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation, Ångström Pyrheliometer. Sky.	Total.	Vertical.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

432. Richmond (Kew Observatory) : h_s (Height of recorder above ground) = 13·3 metres. **July, 1922.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation. Ångström Pyrheliometer. Sky.	Total.	Vertical.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	…	…	…	…	…	…	…	…	·1	…	…	…	…	…	…	…	…	…	0·1	1	…	…	…
2	…	·5	·9	·5	·8	·7	·1	·1	…	·6	…	·4	·3	…	…	…	…	…	4·9	30	…	…	…
3	…	…	…	…	…	…	…	…	…	·6	·4	·5	·7	·8	·8	1·0	·2	…	5·0	30	…	…	…
4	…	…	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	0·3	…	0·5	3	…	…	…
5	…	·6	·7	·8	…	…	…	…	…	…	…	…	…	…	…	…	…	…	2·1	13	…	…	…
6	…	…	…	…	·3	·3	·3	…	…	…	…	…	·2	·2	·1	…	…	…	1·4	9	…	…	…
7	…	0·6	·7	1·0	1·0	1·0	·4	·6	·3	·6	·8	·6	…	…	…	…	…	…	7·6	46	Ci.	69·5	61
8	…	…	·2	…	…	…	·1	·3	·1	·2	…	·1	…	·4	·3	·3	…	…	2·0	12	…	…	…
9	…	…	…	…	…	…	…	·3	·4	…	…	·2	·2	·2	·9	·1	·3	…	2·6	16	…	…	…
10	…	·6	1·0	1·0	1·0	1·0	·8	·5	·5	·9	·6	·6	·3	·4	·4	·2	·2	…	10·0	61	…	…	…
11	…	…	…	·9	·6	·9	1·0	·8	·8	·1	…	…	…	·4	…	…	…	…	5·5	34	Haze	34·2	30
12	…	…	·7	1·0	1·0	1·0	1·0	1·0	·9	·8	·7	·3	·3	·2	·5	…	…	…	9·4	58	Haze	63·0	55
13	…	…	…	…	…	…	…	…	…	…	…	·3	…	…	…	…	…	…	0·3	2	…	…	…
14	…	…	…	…	…	…	…	…	…	…	…	…	…	·4	·9	·8	·5	…	2·6	16	…	…	…
15	…	…	…	…	…	·7	1·0	·4	·9	·7	·9	·4	·3	·1	·2	…	·4	…	6·0	37	…	…	…
16	…	…	·9	·3	·1	·4	·3	…	…	…	…	…	…	…	…	…	…	…	2·0	12	…	…	…
17	—	·2	·1	·5	·8	·8	·7	·2	…	…	·1	…	·2	·1	·2	·1	·1	—	4·1	25	…	…	…
18	—	·4	·1	…	·3	…	…	·1	·1	…	·5	·3	·9	·8	·2	·3	·2	—	4·2	26	…	…	…
19	—	…	1·0	1·0	1·0	1·0	·9	·8	·6	1·0	1·0	·9	·9	·8	1·0	·7	·1	—	**12·7**	**79**	…	…	…
20	—	·4	1·0	·5	·4	·9	1·0	1·0	1·0	1·0	1·0	·9	·2	·9	·9	…	…	—	11·1	69	…	…	…
21	—	…	…	…	·4	·1	·4	1·0	1·0	1·0	1·0	·2	·1	·1	·2	·3	…	—	5·8	36	Ci.	53·1	46
22	—	…	…	…	…	…	…	…	…	·2	…	…	…	…	…	…	…	—	0·2	1	…	…	…
23	—	…	…	…	…	…	…	…	·1	…	…	…	…	…	…	…	…	—	0·1	1	…	…	…
24	—	…	…	…	…	…	…	…	·2	…	…	·2	·4	·6	·3	·2	·3	—	2·2	14	…	…	…
25	—	…	…	·2	·8	·2	·7	·9	·8	·9	·9	·9	·9	·9	·9	…	…	—	9·0	57	Haze	75·5	64
26	—	…	…	·5	·1	·5	·8	·5	·5	·7	·9	…	…	…	…	…	…	—	4·5	29	…	…	…
27	—	…	·1	…	·1	·8	·7	·8	·7	·6	·4	·8	·8	·6	·9	·1	…	—	7·4	47	Clear	79·4	67
28	—	…	·5	·5	·3	·9	1·0	1·0	1·0	·9	·9	·7	·8	·9	1·0	·6	…	—	11·0	71	Haze	72·9	62
29	—	…	·1	1·0	·9	1·0	1·0	·4	…	·2	·2	·2	·2	·0	·1	·1	…	—	5·4	35	…	…	…
30	—	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·2	·2	0·2	1	…	…	…
31	—	·1	1·0	1·0	1·0	1·0	1·0	1·0	·9	·8	·6	·5	·8	…	0·5	·4	·1	—	10·7	69	…	…	…
Sum.	0·0	3·4	9·2	10·7	10·9	**13·2**	**13·2**	11·7	10·9	11·8	10·9	9·0	8·5	8·8	10·3	5·2	2·9	0·0	150·6	—	—	—	—
Mean.	0·00	0·11	0·30	0·35	0·35	**0·43**	**0·43**	0·38	0·35	0·38	0·35	0·29	·027	0·28	0·33	0·17	0·09	0·00	4·86	30	—	—	—

433. Richmond (Kew Observatory) : h_s = 13·3 metres. **August, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	…	·8	·7	·9	·9	·6	·8	·5	·4	·1	…	·3	…	·6	·7	…	—	7·3	47	…	…	…
2	—	…	1·0	1·0	1·0	·9	·7	·3	·4	·4	·7	·9	·3	…	…	…	…	—	7·6	50	…	…	…
3	—	·2	·8	·2	·3	1·0	·7	·9	·9	·3	…	…	…	…	…	…	…	—	5·3	35	Clear	82·7	69
4	—	…	…	…	…	…	…	…	…	…	…	·1	…	…	…	…	…	—	0·1	1	…	…	…
5	—	…	…	…	…	…	…	·3	·2	·6	…	·1	…	…	·7	·6	…	—	2·5	16	…	…	…
6	—	…	…	…	…	·2	…	…	…	…	…	…	…	…	…	…	…	—	0·2	1	…	…	…
7	—	…	…	…	…	…	…	…	…	…	…	…	·9	·5	·8	·5	…	—	2·7	18	…	…	…
8	—	…	…	…	…	…	·4	·6	…	·8	·9	·9	·9	·5	·8	·1	—	6·8	45	…	…	…
9	—	·2	·1	·1	·4	…	·5	·1	·6	1·0	·6	·1	…	…	…	…	…	—	3·7	25	Clear	79·2	65
10	—	…	…	…	…	…	·4	…	·5	·2	·7	·6	…	…	·4	…	…	—	2·8	19	Cloud	74·1	60
11	—	…	…	…	…	…	…	…	·6	·2	…	…	…	·8	·5	…	…	—	2·1	14	Haze	49·2	40
12	—	…	…	…	·3	…	…	…	…	…	…	…	…	…	…	…	…	—	0·3	2	…	…	…
13	—	…	…	…	…	…	…	…	·6	·4	…	…	…	…	…	…	…	—	1·0	7	…	…	…
14	—	…	·3	·6	·8	·6	·6	·5	·2	·1	·1	…	…	…	…	…	…	—	3·8	26	Ci.	15·3	12
15	—	…	…	·3	1·0	1·0	·9	·9	·9	·5	·5	·8	·9	·1	…	·7	…	—	8·5	58	Clear	84·9	68
16	—	…	·3	·1	·9	·9	·3	·4	·9	·9	·5	·6	·2	…	…	…	…	—	6·0	41	Clear	88·2	70
17	—	…	·1	…	…	…	…	·2	·2	·5	…	…	·8	·9	1·0	·7	…	—	4·4	30	…	…	…
18	—	…	…	·3	·8	·8	1·0	·7	·8	·9	·2	·2	…	…	…	…	…	—	5·7	40	Clear	85·7	67
19	—	…	…	·9	·9	·9	·3	·7	…	…	…	…	·1	1·0	·6	…	…	—	5·4	37	…	…	…
20	—	…	…	…	·1	…	…	…	·1	·6	·7	·6	·8	·6	·6	·6	…	—	4·7	33	…	…	…
21	—	…	…	…	…	·2	·9	1·0	·8	·4	·6	·7	·4	·6	·3	…	…	—	5·9	41	Haze	36·6	28
22	—	…	…	·2	·2	·3	…	…	·1	·5	·8	·3	…	…	…	…	…	—	2·4	17	…	…	…
23	—	…	…	·1	1·0	·8	1·0	·9	·8	·9	·3	1·0	·9	·8	·6	·3	…	—	9·4	67	Clear	88·8	68
24	—	—	…	…	…	·4	·3	·2	·3	…	…	…	…	…	…	…	—	—	1·2	9	…	…	…
25	—	—	…	…	·1	…	…	…	…	…	…	…	·1	…	…	…	—	—	0·2	1	…	…	…
26	—	—	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	—	—	**12·7**	**91**	Clear	81·6	62
27	—	—	…	…	·4	·6	…	·1	…	·3	·8	·6	·9	·5	…	·1	—	—	4·3	31	…	…	…
28	—	—	…	…	…	…	…	…	·7	·6	·6	·2	·7	·2	…	…	—	—	3·0	22	…	…	…
29	—	—	…	·1	·6	·8	·8	·8	·9	·5	·3	·7	·6	·3	·5	·1	—	—	7·0	51	Ci.	51·7	39
30	—	—	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	0·1	1	…	…	…
31	—	—	…	…	…	…	…	·2	·2	·7	·6	·4	·3	1·0	·7	…	—	—	4·1	30	Clear	82·7	61
Sum	—	0·4	3·7	5·6	10·7	11·3	10·4	10·6	12·2	**12·7**	10·0	9·8	10·1	9·2	8·8	5·6	0·1	—	131·2	—	—	—	—
Mean.	—	0·01	0·12	0·18	0·35	0·36	0·34	0·34	0·39	**0·41**	0·32	0·32	0·33	0·30	0·28	0·18	0·00	—	4·23	29	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. for Possible.	Radiation. Ångström Pyrheliometer. Sky.	Total.	Vertical.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

434. Richmond (Kew Observatory) : h_S (Height of recorder above ground) = 13·3 metres. **September, 1922.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation, Ångström Pyrheliometer. Sky.	Total.	Vertical.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm².	mw/cm².
1	—	—	·1	·2	·3	·8	·2	·3	·1	…	…	…	…	…	…	…	—	—	2·0	15	…	…	…
2	—	—	…	…	…	…	…	…	·5	·8	·8	·1	…	·2	·1	…	—	—	2·5	19	Ci.	48·0	35
3	—	—	…	…	…	…	…	…	·4	·8	·9	1·0	·7	·3	·2	…	—	—	4·3	32	…	…	…
4	—	—	…	…	·1	…	…	…	…	…	…	…	…	…	…	…	—	—	0·1	1	…	…	…
5	—	—	…	…	…	…	…	·1	·7	·6	·2	·5	·3	·1	…	…	—	—	2·5	19	Haze	63·8	46
6	—	—	…	…	…	·1	·9	·7	…	…	…	·3	…	…	…	…	—	—	2·0	15	…	…	…
7	—	—	…	…	·5	·4	1·0	1·0	1·0	1·0	·9	·8	·8	·5	·3	…	—	—	8·2	62	Haze	69·1	49
8	—	—	…	…	·1	·1	·4	1·0	1·0	·5	·2	·3	·1	…	…	…	—	—	3·7	28	Clear	73·1	51
9	—	—	…	·1	·1	·6	1·0	·6	·1	…	·3	·3	·4	·6	·4	…	—	—	4·5	35	…	…	…
10	—	—	…	·1	1·0	1·0	1·0	·5	·3	…	…	…	·1	…	…	…	—	—	4·0	31	…	…	…
11	—	—	…	…	…	·3	·8	·9	·8	·7	1·0	·9	·9	1·0	·6	…	—	—	7·9	61	Haze	70·4	48
12	—	—	…	…	…	·2	1·0	·6	…	…	…	…	…	…	…	…	—	—	1·8	14	…	…	…
13	—	—	…	·4	1·0	·7	·8	·9	·6	·6	·8	·8	·9	·8	…	…	—	—	8·3	65	Clear	83·5	56
14	—	—	…	…	…	…	…	…	·2	·7	·9	·2	…	…	…	…	—	—	2·0	16	…	…	…
15	—	—	…	…	…	·3	1·0	·5	·3	…	·9	1·0	·7	…	…	…	—	—	4·7	37	…	…	…
16	—	—	…	·6	1·0	·1	…	·1	…	…	…	…	…	…	…	…	—	—	1·8	14	…	…	…
17	—	—	…	…	…	…	…	·3	·6	·9	1·0	1·0	·9	1·0	1·0	·2	—	—	6·9	55	…	…	…
18	—	—	…	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	…	—	—	**11·1**	**89**	Clear	84·9	55
19	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…	…	…	…
20	—	—	…	…	·3	·8	1·0	1·0	·9	1·0	1·0	1·0	1·0	1·0	·8	…	—	—	9·8	80	Clear	76·9	49
21	—	—	…	…	…	…	·1	…	·2	·4	·9	·8	·8	·7	·1	…	—	—	4·0	33	…	…	…
22	—	—	…	…	…	…	…	…	…	…	…	·3	…	…	…	…	—	—	0·3	2	…	…	…
23	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…	…	…	…
24	—	—	—	…	…	…	…	…	…	…	…	·3	·1	·2	…	—	—	—	0·6	5	…	…	…
25	—	—	—	…	…	…	·6	·4	·4	…	…	…	…	…	…	—	—	—	1·4	12	…	…	…
26	—	—	—	…	…	…	…	…	…	·1	·1	·1	·1	…	…	—	—	—	0·4	3	…	…	…
27	—	—	—	…	…	…	·4	…	…	…	…	…	…	…	…	—	—	—	0·4	3	…	…	…
28	—	—	—	…	…	·1	…	·5	…	…	…	…	…	…	…	—	—	—	0·6	5	…	…	…
29	—	—	—	·3	1·0	1·0	1·0	1·0	1·0	·9	·8	·8	·9	·8	…	—	—	—	9·5	81	Clear	70·5	42
30	—	—	—	…	…	…	…	·7	·3	·5	…	…	…	…	…	—	—	—	1·5	13	…	…	…
Sum.	—	—	0·1	2·4	6·4	7·5	**12·2**	12·1	10·4	10·5	11·7	11·5	9·7	8·2	3·9	0·2	—	—	106·8	—	—	—	—
Mean	—	—	0·00	0·08	0·21	0·25	**0·41**	0·40	0·35	0·35	0·39	0·38	0·32	0·27	0·13	0·01	—	—	3·56	28	—	—	—

435. Richmond (Kew Observatory) : h_S = 13·3 metres. **October, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm².	mw/cm².
1	—	—	—	…	…	…	…	·5	…	…	…	…	…	…	…	—	—	—	0·5	4	…	…	…
2	—	—	—	…	…	…	·6	·8	·4	·7	·4	·2	·6	·4	…	—	—	—	4·1	36	Haze	25·8	15
3	—	—	—	…	…	…	·6	·2	…	…	…	·1	…	…	…	—	—	—	0·9	8	…	…	…
4	—	—	—	…	·1	…	…	·1	·2	·1	…	…	…	…	…	—	—	—	0·5	4	…	…	…
5	—	—	—	…	…	·1	·3	·9	·8	…	·1	…	·3	·1	…	—	—	—	2·6	23	…	…	…
6	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	—	—	—	…	…	…	…	…
7	—	—	—	…	·9	1·0	1·0	1·0	·5	·3	·1	·5	·5	·3	…	—	—	—	6·1	54	…	…	…
8	—	—	—	…	·1	·9	·8	·7	·6	·5	·4	·1	·1	…	…	—	—	—	4·2	38	…	…	…
9	—	—	—	…	·6	1·0	1·0	·8	·8	·2	·1	…	…	…	…	—	—	—	4·5	41	…	…	…
10	—	—	—	…	…	…	…	…	…	·1	…	·3	…	…	…	—	—	—	0·4	4	…	…	…
11	—	—	—	…	…	·8	·9	·7	1·0	1·0	1·0	1·0	1·0	1·0	·7	…	—	—	8·1	74	Clear	63·9	34
12	—	—	—	…	…	·7	1·0	1·0	1·0	1·0	·9	·9	·9	·6	…	—	—	—	8·0	73	…	…	…
13	—	—	—	…	·4	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	…	—	—	—	**9·2**	**85**	Clear	55·5	29
14	—	—	—	…	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	…	—	—	—	8·8	82	Clear	70·4	36
15	—	—	—	…	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	…	—	—	—	8·6	80	…	…	…
16	—	—	—	…	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	…	—	—	—	8·5	80	Haze	36·1	18
17	—	—	—	…	…	…	·1	…	·7	·8	1·0	1·0	·8	·1	…	—	—	—	4·5	42	…	…	…
18	—	—	—	…	…	…	·2	·3	·5	·5	·7	·8	·3	…	…	—	—	—	3·3	31	Haze	57·4	28
19	—	—	—	…	…	·3	·5	·6	·5	·4	·2	·4	·1	…	…	—	—	—	3·0	29	…	…	…
20	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	—	—	—	…	…	…	…	…
21	—	—	—	…	…	·1	·1	·6	·5	·6	·7	·3	·2	…	…	—	—	—	3·1	30	Clear	62·2	29
22	—	—	—	…	…	·2	…	…	·5	·1	·4	·2	·4	·2	…	—	—	—	2·0	19	…	…	…
23	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	—	—	—	…	…	…	…	…
24	—	—	—	…	…	·3	1·0	·9	1·0	1·0	·8	·1	·7	…	…	—	—	—	5·8	57	Cloud	43·0	19
25	—	—	—	—	…	·3	1·0	1·0	·9	·9	·7	·1	…	…	—	—	—	—	4·9	49	Clear	49·3	22
26	—	—	—	—	…	…	…	…	…	·3	1·0	·2	·2	…	—	—	—	—	1·7	17	…	…	…
27	—	—	—	—	…	…	…	…	…	…	…	·2	·8	·2	—	—	—	—	1·2	12	…	…	…
28	—	—	—	—	…	·3	1·0	1·0	1·0	·6	·2	·5	·3	…	—	—	—	—	4·9	49	Haze	32·0	14
29	—	—	—	—	…	…	·2	…	…	…	…	…	…	…	—	—	—	—	0·2	2	…	…	…
30	—	—	—	—	…	…	…	…	…	…	…	…	…	…	—	—	—	—	…	…	…	…	…
31	—	—	—	—	…	·9	1·0	1·0	·9	1·0	1·0	1·0	·7	…	—	—	—	—	7·5	77	Clear	66·5	28
Sum.	—	—	—	0·0	2·8	10·8	15·3	**16·1**	15·8	14·1	13·7	11·9	11·9	4·7	0·0	—	—	—	117·1	—	—	—	—
Mean.	—	—	—	0·00	0·09	0·35	0·49	**0·52**	0·51	0·45	0·44	0·38	0·38	0·15	0·00	—	—	—	3·78	35	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation, Ångström Pyrheliometer. Sky.	Total.	Vertical.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

436. Richmond (Kew Observatory) : h_S (Height of recorder above ground) = 13·3 metres. **November, 1922.**

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation. Ångström Pyrheliometer. Sky	Total.	Vertical.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
2	—	—	—	—	·2	1·0	1·0	1·0	1·0	0·9	·6	...	·2	...	—	—	—	—	5·9	61	Clear	75·1	30
3	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
4	—	—	—	—	...	·4	1·0	1·0	1·0	1·0	1·0	·8	·9	·3	—	—	—	—	7·4	79	...	...	...
5	—	—	—	—	...	...	...	·4	·2	...	...	...	...	...	—	—	—	—	0·6	6	...	...	...
6	—	—	—	—	...	...	·7	·6	·5	·7	...	·2	...	...	—	—	—	—	2·7	29	...	...	...
7	—	—	—	—	...	·2	·7	·8	...	...	...	...	·1	...	—	—	—	—	1·8	19	...	...	...
8	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
9	—	—	—	—	...	...	1·0	1·0	·9	·8	1·0	·3	·7	...	—	—	—	—	5·7	62	Clear	53·7	20
10	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
11	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
12	—	—	—	—	...	...	...	·2	·8	·1	...	...	...	...	—	—	—	—	1·1	12	...	...	...
13	—	—	—	—	...	...	·8	1·0	1·0	1·0	·5	...	...	...	—	—	—	—	4·3	48	Haze	19·8	7
14	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
15	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	..
16	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
17	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
18	—	—	—	—	...	...	·4	...	...	...	...	...	...	...	—	—	—	—	0·4	5	...	...	...
19	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
20	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
21	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
22	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
23	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
24	—	—	—	—	...	...	...	·1	·6	·7	...	...	...	...	—	—	—	—	1·4	17	Haze	42·2	13
25	—	—	—	—	...	...	...	...	·8	1·0	1·0	1·0	·2	...	—	—	—	—	4·0	48	Haze	26·2	8
26	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
27	—	—	—	—	...	...	...	·9	1·0	1·0	1·0	·7	...	...	—	—	—	—	4·6	55	Haze	43·0	13
28	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
29	—	—	—	—	...	...	...	...	...	·3	...	...	...	...	—	—	—	—	0·3	4	...	...	...
30	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
Sum.	—	—	—	—	0·2	1·6	5·6	7·0	7·8	7·5	5·1	3·0	2·1	0·3	—	—	—	—	40·2	—	—	—	—
Mean.	—	—	—	—	0·01	0·05	0·19	0·23	0·26	0·25	0·17	0·10	0·07	0·01	—	—	—	—	1·34	15	—	—	—

437. Richmond (Kew Observatory) : h_S = 13·3 metres. **December, 1922.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	—	—	—	...	...	1·0	·9	·9	·4	·1	...	...	...	—	—	—	—	3·3	40	Ci. Cu.	18·6	5
2	—	—	—	—	...	...	·1	·9	...	·2	...	...	...	...	—	—	—	—	1·2	15	...	...	...
3	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
4	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
5	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
6	—	—	—	—	—	...	·7	·7	·2	·6	·3	...	...	—	—	—	—	—	2·5	31	Clear	32·5	9
7	—	—	—	—	—	...	...	...	...	...	·1	...	...	—	—	—	—	—	0·1	1	...	...	...
8	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
9	—	—	—	—	—	...	...	...	...	·4	·9	·1	...	—	—	—	—	—	1·4	18	...	...	...
10	—	—	—	—	—	...	...	...	...	·1	...	...	...	—	—	—	—	—	0·1	1	...	...	...
11	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
12	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
13	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
14	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
15	—	—	—	—	—	...	...	...	·6	·9	·5	...	...	—	—	—	—	—	2·0	26	Haze	26·5	7
16	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
17	—	—	—	—	—	·1	·7	1·0	1·0	1·0	·6	...	...	—	—	—	—	—	4·4	56	...	...	...
18	—	—	—	—	—	...	...	...	·1	·1	·7	·7	...	—	—	—	—	—	1·6	21	Ci. Cu.	16·7	4
19	—	—	—	—	—	...	...	·5	·6	1·0	·6	·7	...	—	—	—	—	—	3·4	44	Mist	46·9	12
20	—	—	—	—	—	...	...	...	...	...	·4	·2	...	—	—	—	—	—	0·6	8	...	...	...
21	—	—	—	—	—	...	·7	·5	...	...	...	...	...	—	—	—	—	—	1·2	15	...	...	...
22	—	—	—	—	—	...	·6	·9	·6	·7	...	·2	...	—	—	—	—	—	3·0	38	Mist	44·5	12
23	—	—	—	—	—	...	·1	·8	1·0	·4	·6	·1	...	—	—	—	—	—	3·0	38	Clear	56·6	15
24	—	—	—	—	—	·1	·7	1·0	1·0	·6	·7	...	...	—	—	—	—	—	4·1	53	...	...	...
25	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
26	—	—	—	—	—	...	·1	·7	1·0	·8	·9	1·0	·1	—	—	—	—	—	4·6	59	Ci.	34·7	9
27	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
28	—	—	—	—	—	...	·6	·9	1·0	1·0	1·0	·2	...	—	—	—	—	—	4·7	60	Haze	52·7	14
29	—	—	—	—	—	...	...	·6	1·0	·1	...	...	...	—	—	—	—	—	1·7	22	...	...	...
30	—	—	—	—	—	...	...	·5	·6	...	·2	·1	...	—	—	—	—	—	1·4	18	...	...	...
31	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
Sum.	—	—	—	—	0·0	0·2	5·3	9·9	9·6	8·3	7·6	3·3	0·1	0·0	—	—	—	—	44·3	—	—	—	—
Mean.	—	—	—	—	0·00	0·01	0·17	0·32	0·31	0·27	0·25	0·11	0·00	0·00	—	—	—	—	1·43	18	—	—	—
Annual Total.	0·0	9·4	40·0	58·5	83·9	107·6	139·0	151·1	151·1	152.9	144·7	125·8	108·7	83·8	67·1	42·8	10·6	0·0	147·70	—	—	—	—
Annual Mean.	0·00	0·03	0·11	0·16	0·23	0·29	0·38	0·41	0·41	0·42	0·40	0·34	0·30	0·23	0·18	0·12	0·03	0·00	4·05	33	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation. Ångström Pyrheliometer. Sky.	Total.	Vertical.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°): Speed in metres per second.

438. Richmond (Kew Observatory): H_a (height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	235	3·9	235	3·9	235	4·9	235	6·2	230	6·2	230	6·9	230	7·2	235	6·2	255	6·9	240	6·2	240	6·2	255	7·5
2	245	7·5	245	7·5	245	7·5	245	7·5	255	8·5	260	8·9	265	10·2	260	9·2	260	9·5	265	8·9	270	8·5	270	8·5
3	305	3·3	295	4·3	295	5·6	295	4·6	300	6·2	305	6·2	300	5·6	290	4·3	295	3·3	290	3·6	290	5·2	280	6·2
4	325	6·9	315	6·9	320	7·9	330	7·9	320	7·5	325	6·6	325	7·2	320	6·9	330	6·9	325	8·9	330	9·5	330	9·2
5	315	7·2	320	6·6	325	6·9	325	7·2	315	6·6	325	5·6	325	5·6	325	5·2	325	5·6	330	6·9	335	6·6	335	6·6
6	315	3·3	315	2·6	—	1·3	315	1·6	—	1·3	—	1·3	315	1·6	—	1·3	315	2·3	320	2·6	320	2·6	320	2·6
7	—	1·3	320	1·6	250	3·3	190	3·3	190	3·6	190	3·3	190	2·3	190	3·0	195	4·6	195	4·9	195	4·3	195	4·9
8	205	2·3	205	2·0	—	1·0	205	1·6	—	1·3	205	2·6	205	4·9	205	4·6	210	6·6	230	4·6	235	5·9	255	6·2
9	240	3·3	240	2·3	240	1·6	240	3·0	240	4·6	240	4·9	245	5·6	240	6·2	240	6·9	230	6·6	235	6·6	240	6·9
10	230	7·5	240	5·2	250	4·3	265	3·0	265	3·3	265	2·6	265	2·6	265	2·6	265	3·0	260	3·0	265	4·6	275	3·3
11	260	2·6	260	3·0	250	3·3	250	3·3	250	3·3	250	2·6	250	3·0	250	2·6	250	3·3	250	3·3	250	4·9	250	5·2
12	320	4·9	320	4·9	315	4·3	305	3·6	295	3·9	305	4·3	315	3·0	290	3·9	305	3·9	325	6·6	330	7·2	335	6·2
13	—	1·0	—	1·0	—	1·0	—	0·7	—	1·0	—	1·0	—	0·7	—	0·3	—	0·3	—	0·3	—	0·3	—	1·0
14	355	2·3	—	1·3	355	2·0	355	2·3	355	2·6	315	1·6	220	1·6	200	2·0	195	2·3	185	2·3	150	2·3	150	2·3
15	70	2·0	70	3·0	70	3·0	70	2·3	—	1·3	70	1·6	70	2·3	70	2·0	70	1·6	120	3·3	145	3·0	150	4·6
16	275	6·9	255	5·2	265	6·2	270	6·2	270	5·9	270	5·6	270	6·2	265	3·9	265	4·9	260	4·9	265	6·6	275	6·2
17	260	3·6	255	3·9	255	4·3	270	4·3	265	3·6	265	3·6	275	3·3	285	3·6	310	4·3	310	2·6	300	3·9	300	4·3
18	—	1·3	—	1·3	300	1·6	—	1·0	—	1·0	—	1·3	—	0·7	—	0·3	250	3·0	185	3·9	185	3·9	185	4·3
19	180	6·6	180	6·2	175	8·2	175	4·9	175	5·2	175	7·2	175	7·2	175	6·9	175	8·9	185	8·2	185	9·5	200	7·9
20	—	1·3	—	1·3	—	0·7	—	1·0	—	1·3	—	1·3	180	2·3	—	1·3	—	1·3	—	0·7	—	0·3	—	0·3
21	165	4·6	150	4·6	155	3·9	155	4·6	155	4·9	165	5·6	170	6·6	160	7·9	165	7·5	165	8·5	160	7·2	165	6·9
22	—	1·0	—	0·7	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·0	—	0·7
23	—	1·3	105	1·6	105	2·0	105	2·0	105	1·6	100	2·6	80	5·6	80	5·9	75	6·6	80	8·2	70	8·2	75	7·9
24	75	8·2	65	8·2	65	9·2	65	9·8	75	9·8	70	9·8	60	9·5	65	9·2	65	10·8	65	9·8	70	10·8	65	9·2
25	70	7·9	70	7·9	75	9·5	80	9·8	85	10·8	85	8·9	85	9·5	85	7·5	90	7·5	95	5·9	95	6·6	95	7·2
26	155	2·3	155	1·6	155	1·6	155	1·6	155	1·6	155	2·0	—	1·3	140	2·0	100	2·3	—	1·0	—	1·0	135	2·0
27	85	6·2	85	5·2	85	6·6	85	4·9	90	6·9	90	5·2	90	6·2	90	5·9	100	5·2	95	4·6	95	4·9	95	4·6
28	110	2·3	—	1·3	—	0·7	110	2·0	155	3·0	165	2·3	165	2·6	165	2·3	170	3·0	180	4·3	180	3·9	180	5·9
29	185	4·3	190	3·0	180	2·6	—	1·0	—	1·3	180	2·0	180	2·0	—	1·3	—	1·3	185	1·6	—	1·3	190	3·6
30	—	0·3	—	0·7	—	0·7	—	1·0	—	1·3	—	1·3	—	1·3	—	0·7	—	1·0	—	0·3	260	2·3	205	3·0
31	—	1·0	—	1·3	205	2·0	—	0·7	—	1·0	—	1·3	205	2·0	205	2·0	205	2·0	190	2·6	175	3·6	175	3·0
Mean ...	—	3·8	—	3·5	—	3·8	—	3·7	—	3·9	—	3·9	—	4·2	—	3·9	—	4·4	—	4·5	—	4·9	—	5·1

439. Richmond (Kew Observatory): H_a = 5 metres + 20 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·7	—	1·0	—	0·3	210	1·6	—	1·3	210	1·6	—	1·3	210	1·6	210	1·6	220	2·0	245	4·9	275	4·6
2	255	2·3	215	3·0	205	3·6	200	3·3	195	3·9	185	5·2	170	4·9	175	5·2	175	4·6	170	5·9	175	4·9	185	4·3
3	215	6·9	225	5·2	225	5·2	220	5·9	230	4·9	230	4·6	235	4·9	235	4·3	230	4·9	240	3·9	255	6·6	265	5·9
4	260	4·6	260	4·6	265	4·3	260	3·9	270	3·6	280	3·3	280	3·3	35	4·3	50	5·2	75	6·9	75	5·6	75	4·6
5	70	5·9	70	6·2	65	6·6	65	6·6	70	6·9	70	6·9	70	6·9	70	5·2	65	4·3	60	4·3	55	5·6	50	3·0
6	55	2·0	—	1·3	—	1·3	—	0·7	—	0·3	—	1·0	—	0·3	—	0·7	55	1·6	75	3·3	140	3·6	145	2·6
7	—	0·3	—	1·0	—	0·7	—	0·3	—	0·3	—	0·3	185	1·6	—	1·3	—	0·7	185	2·3	185	3·6	185	3·9
8	155	1·6	155	2·0	155	1·6	155	1·6	—	1·0	155	1·6	155	2·0	155	1·6	—	1·3	155	2·6	155	4·6	165	4·6
9	115	2·0	115	2·0	—	1·3	—	1·0	115	2·3	105	3·3	105	4·6	100	4·9	95	5·2	85	5·9	95	6·6	95	6·6
10	85	4·3	85	4·6	85	2·0	85	3·3	85	3·3	85	2·6	85	2·6	85	2·3	85	2·6	85	4·3	85	3·6	85	4·3
11	80	2·0	80	2·0	80	3·0	80	2·6	80	2·0	80	1·6	80	1·6	80	2·0	80	2·3	85	2·6	90	2·3	90	3·3
12	90	2·3	—	1·3	90	4·3	90	3·6	90	3·3	90	3·3	90	3·6	90	3·3	90	3·6	90	5·6	105	6·6	90	5·9
13	—	1·0	90	2·3	120	1·6	—	1·3	—	0·3	—	0·3	—	1·0	135	2·6	160	2·0	175	3·6	225	4·3	265	4·6
14	—	0·7	—	1·0	—	1·3	—	0·7	—	1·3	270	1·6	—	0·7	—	0·7	—	1·0	—	0·7	270	1·6	270	2·0
15	215	2·0	215	2·6	205	2·6	205	2·6	205	2·6	205	2·3	205	3·3	205	4·9	210	7·2	200	7·5	195	7·9	200	7·9
16	—	1·0	275	2·0	275	1·6	—	1·0	275	1·6	275	1·6	275	1·6	265	2·0	250	2·6	230	3·6	225	3·9	225	4·3
17	225	4·6	220	3·9	220	3·9	220	3·3	215	5·6	210	5·2	210	6·9	210	6·2	205	6·9	205	6·6	210	6·6	215	4·6
18	225	4·6	220	3·3	200	4·3	205	5·6	205	6·9	225	6·2	255	4·6	260	4·6	245	5·2	245	6·6	270	7·5	275	8·2
19	270	2·0	270	2·0	270	2·0	270	2·6	270	2·0	270	2·0	—	1·3	265	2·6	235	3·3	225	3·6	205	4·6	200	5·9
20	255	4·3	240	4·3	235	4·9	245	3·6	255	4·9	255	3·0	240	3·9	240	3·0	250	4·6	255	4·6	245	5·9	240	7·5
21	205	4·6	195	4·3	195	6·6	190	6·9	190	7·5	190	7·9	185	7·9	185	8·9	215	7·9	195	4·9	205	6·9	215	7·2
22	215	3·3	215	3·9	215	3·6	210	3·6	210	4·3	205	4·9	190	5·2	200	7·2	205	6·6	205	7·2	220	7·5	235	6·2
23	215	8·2	220	6·9	215	9·2	215	7·2	215	9·2	210	7·9	215	8·5	215	7·2	215	6·2	235	5·6	245	6·9	250	6·6
24	210	5·2	210	5·2	215	4·9	215	6·6	215	5·6	215	5·9	215	5·9	220	6·6	215	7·2	215	5·9	220	6·6	215	7·2
25	195	5·2	205	6·2	205	5·9	205	3·9	205	4·3	205	4·3	205	5·2	195	5·2	195	5·2	190	6·6	190	8·5	185	8·2
26	205	6·2	215	3·9	220	3·3	215	3·9	205	6·6	205	6·9	195	7·2	195	6·2	190	8·2	195	8·2	205	10·8	195	8·5
27	235	4·3	230	4·3	230	3·6	230	3·9	235	4·3	240	3·6	235	3·9	230	4·3	235	3·9	225	5·9	225	7·9	220	7·9
28	190	8·9	185	7·5	190	8·9	205	8·2	225	8·2	265	8·5	265	6·9	235	6·2	230	7·2	240	8·5	240	8·5	240	7·9
Mean ...	—	3·6	—	3·5	—	3·7	—	3·5	—	3·9	—	3·8	—	4·0	—	4·1	—	4·4	—	5·0	—	5·9	—	5·7
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

Averages for periods of sixty minutes, centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 20 metres.

January, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
260	9·5	260	8·2	260	9·5	265	7·9	250	7·5	240	6·6	245	7·9	255	7·5	255	7·5	255	6·9	255	8·2	250	6·2	6·8	1
275	7·2	285	6·6	290	7·2	280	5·2	330	5·6	320	4·9	315	5·6	310	4·6	305	4·9	305	5·2	295	3·6	290	4·3	7·0	2
285	7·5	285	7·2	285	6·9	295	6·2	290	4·9	285	4·6	305	6·6	300	5·6	315	5·2	325	4·9	325	5·2	325	5·2	5·3	3
325	8·5	325	8·5	330	6·9	330	7·5	325	6·2	330	5·9	330	5·6	330	4·9	325	6·2	310	5·2	305	6·2	305	5·9	7·1	4
330	8·2	330	6·2	330	5·2	330	4·6	325	4·3	325	3·6	325	4·3	325	3·3	325	3·9	325	3·6	325	4·3	320	3·0	5·5	5
320	2·6	320	2·6	320	2·0	320	1·6	320	1·6	—	0·7	—	1·0	—	0·3	—	0·3	—	0·3	—	1·0	—	0·7	1·7	6
195	4·3	195	2·3	195	2·3	195	2·6	195	1·6	195	2·6	195	2·0	—	1·0	—	1·3	195	1·6	—	1·3	205	1·6	2·7	7
265	6·6	270	5·2	270	5·9	270	3·9	270	2·0	270	1·6	270	2·0	265	3·0	260	3·0	255	2·6	255	3·0	245	3·6	3·5	8
235	7·2	235	7·9	230	7·5	235	7·5	235	7·9	235	6·9	235	6·6	225	7·5	225	8·5	230	7·9	230	8·5	230	7·5	6·2	9
275	5·6	280	5·2	280	3·9	275	2·6	265	3·0	260	3·0	260	2·3	260	3·3	260	2·6	260	2·6	260	2·0	260	3·0	3·6	10
245	5·6	255	4·9	260	4·6	265	4·3	275	3·9	275	4·9	335	4·6	315	4·6	315	6·6	315	5·6	335	3·9	320	3·9	4·1	11
335	6·2	345	6·2	355	5·2	355	3·6	355	2·3	355	2·0	355	2·0	—	1·0	—	0·7	—	0·7	—	1·0	—	0·3	3·7	12
—	0·3	—	0·7	—	0·3	—	0·3	—	0·7	—	0·3	—	0·0	—	0·3	—	0·7	—	1·3	—	1·0	—	1·0	**0·6**	13
125	3·0	120	2·3	120	2·3	120	2·0	—	1·0	—	1·0	—	0·3	—	1·3	—	1·0	—	1·3	85	2·3	80	3·0	1·9	14
160	6·2	165	4·6	165	5·2	170	7·2	165	7·5	155	6·9	155	6·9	170	7·2	175	6·9	185	3·9	245	5·6	270	6·6	4·3	15
275	7·5	275	6·2	270	5·6	270	4·6	275	4·6	265	3·3	265	3·6	265	3·6	265	3·9	265	3·6	265	3·9	265	3·6	5·2	16
305	4·3	310	3·9	300	4·3	300	3·0	300	2·0	300	2·3	300	2·6	—	1·3	—	1·3	—	1·0	—	0·7	300	1·6	3·1	17
180	5·2	180	7·5	180	5·9	180	6·2	175	5·6	165	6·2	175	7·9	175	6·2	180	5·6	180	4·9	180	5·2	180	4·9	3·9	18
195	4·9	195	4·3	200	2·6	200	2·3	200	3·0	200	2·0	195	3·0	180	3·3	180	2·6	180	3·0	180	2·3	—	1·0	5·1	19
—	0·3	175	2·0	180	4·6	170	3·6	170	2·6	170	2·3	170	2·3	170	3·3	175	3·0	175	2·3	175	3·3	175	4·6	1·9	20
170	6·9	175	5·2	180	5·9	185	5·2	185	3·6	185	2·3	185	3·3	195	2·3	—	1·0	—	1·3	—	1·3	195	1·6	4·8	21
—	1·0	—	0·0	—	1·3	—	1·0	110	1·6	110	1·6	110	2·0	110	2·6	110	3·0	90	4·9	—	1·0	90	2·0	1·1	22
70	7·9	65	6·9	70	7·5	65	8·5	65	9·2	65	8·2	75	10·5	85	5·9	90	6·6	90	6·9	90	9·2	80	7·2	6·1	23
65	9·2	70	8·9	60	8·9	65	9·2	65	9·8	70	9·2	75	10·2	80	8·9	85	10·2	80	7·9	80	6·9	70	7·2	**9·2**	24
105	6·9	105	7·2	100	7·9	100	7·2	110	7·5	125	7·5	135	3·3	155	3·3	155	3·0	155	2·3	155	2·6	155	2·0	6·8	25
135	2·3	125	3·0	95	4·3	95	4·6	85	5·2	75	6·6	85	6·6	90	5·2	90	5·9	90	5·2	90	6·6	90	7·2	3·4	26
90	3·6	100	4·6	120	5·9	105	5·2	115	6·6	115	6·6	110	7·2	120	6·2	110	6·9	115	5·2	110	6·6	110	3·6	5·7	27
185	4·3	180	4·9	155	3·3	140	4·3	140	3·9	135	5·9	125	4·3	135	4·9	140	4·9	140	4·6	145	4·6	160	4·3	3·6	28
195	3·0	185	2·3	160	4·3	145	2·3	145	2·3	110	3·3	95	3·3	65	3·0	60	3·0	25	3·0	15	2·6	15	1·6	2·5	29
230	2·0	220	2·6	—	1·3	210	2·0	195	3·0	195	3·0	195	2·6	230	2·3	—	1·3	205	1·6	—	0·3	205	1·6	1·6	30
180	3·6	195	4·6	210	3·3	210	3·0	210	3·0	210	2·0	210	2·0	—	1·3	210	1·6	—	1·3	—	1·3	—	1·0	2·1	31
—	**5·2**	—	4·9	—	4·9	—	4·5	—	4·3	—	4·1	—	4·3	—	3·8	—	4·0	—	3·6	—	3·7	—	3·6	4·2	

February, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
285	5·6	285	4·9	285	4·9	290	2·3	290	1·6	290	1·6	290	2·6	255	2·0	—	1·0	—	1·3	—	1·0	—	1·3	2·2	1
195	4·6	200	3·6	205	3·9	200	7·2	235	5·9	235	2·6	225	4·6	225	3·3	225	4·6	220	4·6	220	6·2	220	6·6	4·4	2
260	6·6	265	6·9	260	6·6	255	5·9	260	5·9	250	3·9	255	4·6	255	3·9	255	4·6	250	5·6	245	4·9	260	4·3	5·3	3
75	6·2	75	6·2	75	5·6	75	5·6	75	4·6	75	4·6	65	4·6	60	4·6	55	4·3	55	4·6	60	5·2	65	4·9	4·8	4
50	4·3	45	4·9	40	4·6	45	4·9	55	3·3	50	3·9	50	4·6	55	3·3	55	3·0	55	3·3	55	3·3	—	1·0	4·8	5
160	2·6	180	3·0	185	3·0	185	3·3	185	1·6	185	1·6	—	0·7	—	1·0	—	0·3	—	1·0	—	0·7	—	0·7	1·6	6
185	5·2	185	4·9	185	5·6	185	4·3	180	4·9	180	2·6	175	2·6	175	3·0	160	3·0	155	2·0	155	2·0	155	2·0	2·4	7
170	5·9	175	4·6	175	3·3	175	2·6	175	3·0	140	3·6	115	3·6	115	3·3	115	3·0	115	2·6	115	2·3	115	2·0	2·7	8
90	7·5	80	6·6	75	7·9	75	7·9	75	7·9	75	6·6	80	6·6	85	5·2	85	6·2	85	4·9	85	3·9	85	3·6	5·0	9
85	5·2	85	3·6	85	3·0	85	3·0	85	3·0	85	2·3	85	3·3	85	3·9	85	3·0	85	2·3	85	3·9	80	2·3	3·3	10
90	5·2	90	4·6	90	4·6	80	5·2	75	5·6	75	4·6	75	8·2	80	6·9	80	5·2	90	4·6	90	3·3	90	2·3	3·7	11
90	5·2	90	4·9	85	3·3	85	2·3	85	2·0	85	1·6	—	0·7	—	0·3	—	0·7	—	1·0	—	0·7	—	0·7	3·0	12
270	2·6	270	2·6	270	2·6	270	2·6	270	1·6	—	1·0	—	1·3	270	1·6	—	1·0	—	1·0	—	0·7	—	1·3	1·9	13
270	2·0	270	2·3	270	2·6	270	2·0	270	2·3	—	1·0	—	1·0	—	1·3	—	1·3	—	1·3	265	2·0	215	2·6	**1·4**	14
200	6·6	200	6·6	210	6·9	210	6·2	205	4·3	205	3·3	220	3·6	270	2·3	275	2·3	275	1·6	275	1·6	275	1·6	4·2	15
215	4·6	210	4·3	210	3·6	210	3·9	210	4·3	215	5·2	220	4·9	220	4·6	220	4·9	220	4·9	225	4·6	225	4·3	3·3	16
240	5·2	260	4·3	260	4·3	255	3·0	250	3·9	250	3·3	245	5·2	255	3·9	250	3·9	245	3·3	240	3·9	240	3·9	4·7	17
270	8·5	280	6·6	265	5·6	290	4·9	290	4·6	270	2·6	270	2·3	270	2·3	270	2·6	270	2·6	270	2·6	270	3·0	4·9	18
200	7·2	200	5·2	200	4·9	205	5·9	215	7·2	215	6·6	220	7·2	230	6·2	260	6·6	260	4·3	260	6·9	270	4·9	4·4	19
235	8·9	235	6·6	245	6·2	245	5·2	240	4·3	240	2·6	215	6·9	220	2·6	220	3·3	220	3·0	215	3·6	215	4·3	4·7	20
225	8·9	210	8·2	200	8·5	185	6·9	190	8·2	185	5·6	255	4·3	265	3·0	255	2·6	220	2·6	215	3·0	215	2·6	6·1	21
245	6·9	230	6·6	235	7·2	220	7·2	215	7·2	215	6·6	220	6·9	205	5·6	200	5·6	205	6·2	215	7·2	225	5·6	5·9	22
235	5·9	225	5·6	220	6·6	220	5·6	220	5·2	225	4·6	220	5·9	225	4·6	225	4·6	230	4·3	225	4·6	225	4·3	6·3	23
215	8·2	215	7·5	215	7·9	215	8·9	225	7·9	225	7·9	215	8·5	215	6·9	220	5·9	215	4·9	215	3·9	200	3·3	6·5	24
195	7·9	185	7·2	175	7·9	175	6·2	180	6·6	185	4·3	185	5·2	185	5·2	195	6·6	200	5·2	200	6·9	210	6·9	6·0	25
195	9·5	200	8·9	195	9·2	205	8·2	205	9·2	215	7·2	215	7·2	230	5·2	230	5·6	230	4·6	235	4·3	240	4·3	6·9	26
220	10·8	210	9·5	205	9·8	210	8·5	200	8·5	205	8·2	205	7·5	205	7·9	200	9·2	195	8·5	195	8·9	195	8·9	6·7	27
235	8·9	240	6·2	220	8·9	210	7·5	220	7·5	215	5·2	205	4·6	195	3·9	195	3·6	165	3·9	165	5·6	180	8·2	**7·1**	28
—	**6·3**	—	5·6	—	5·7	—	5·3	—	5·1	—	4·1	—	4·6	—	3·9	—	3·9	—	3·6	—	3·9	—	3·6	4·4	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North ($E = 90°$, $S = 180°$, $W = 270°$, $N = 360°$: Speed in metres per second.

440. Richmond (Kew Observatory) : H_a (height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	195	12·5	205	12·8	205	12·8	215	12·1	220	10·2	235	7·2	240	5·6	230	4·6	235	1·6	—	1·3	180	5·6	190	7·9
2	255	3·9	255	2·6	255	3·3	255	3·0	255	3·3	255	2·6	255	3·0	255	3·0	270	5·2	290	6·9	290	7·2	285	5·9
3	205	3·9	200	4·3	195	5·9	195	6·2	200	6·6	200	5·2	215	6·2	225	5·6	225	5·2	215	5·2	215	6·6	220	6·2
4	215	9·5	210	9·5	215	9·8	215	8·2	210	8·5	210	7·5	215	6·9	220	5·2	220	5·9	230	5·2	230	4·6	220	5·9
5	215	2·6	215	2·3	215	3·0	210	4·3	205	5·9	200	7·5	205	8·2	205	7·2	200	9·5	200	9·2	205	9·8	205	9·5
6	205	10·2	210	8·9	220	8·5	285	4·6	275	3·9	270	2·0	240	2·0	235	2·3	215	3·9	215	2·6	215	4·6	210	5·2
7	200	5·9	190	6·6	190	7·9	195	8·2	210	8·5	205	6·2	210	6·9	210	9·2	240	7·5	245	7·9	255	6·6	245	5·6
8	210	4·6	205	4·6	195	5·6	185	6·2	165	7·9	160	8·2	185	8·9	185	10·8	195	10·2	245	8·9	290	11·8	290	12·1
9	245	4·3	245	3·6	235	3·9	235	4·3	235	4·6	230	3·9	230	3·6	235	3·6	235	3·9	235	4·9	230	5·2	235	5·6
10	—	0·7	—	1·3	300	3·6	360	2·3	360	4·3	360	4·9	360	5·6	360	4·6	360	6·9	360	8·2	360	8·5	360	7·2
11	—	1·0	—	1·0	—	1·0	—	0·7	—	0·3	—	1·0	—	0·7	—	0·7	—	1·0	—	1·3	—	1·3	310	3·0
12	—	0·3	—	0·0	—	0·3	—	0·7	—	0·7	—	0·0	—	0·0	—	0·3	—	0·3	—	0·3	340	1·6	360	2·6
13	70	7·2	70	6·2	75	6·6	70	6·2	60	6·2	65	6·2	65	7·5	65	7·2	65	8·2	60	11·1	70	9·8	65	10·2
14	55	7·9	55	6·2	60	7·9	60	5·2	55	5·9	50	7·2	55	6·6	55	6·9	60	7·5	60	6·9	55	7·5	70	7·5
15	65	5·2	70	6·2	65	6·2	60	5·6	60	5·9	55	6·2	55	6·6	60	6·2	55	6·2	50	6·2	55	5·6	60	5·9
16	70	5·9	75	4·9	75	3·9	75	3·9	75	3·6	75	2·3	75	2·6	75	2·0	75	2·3	75	3·3	75	3·3	75	3·6
17	55	3·6	55	3·3	55	3·9	55	3·3	55	3·3	55	2·6	55	2·6	55	2·6	55	3·6	55	3·9	55	3·6	55	3·3
18	85	5·6	85	4·3	85	5·2	95	4·6	85	5·9	95	4·6	100	3·9	95	3·6	95	5·6	100	4·6	95	6·2	90	4·9
19	75	3·6	70	3·9	65	3·6	55	3·6	50	3·9	55	3·9	50	3·6	45	4·3	50	4·3	60	3·0	60	4·9	55	4·3
20	50	5·2	55	4·9	55	4·3	50	4·6	45	5·6	35	4·9	35	4·6	40	8·5	45	7·2	15	8·9	20	7·5	10	7·2
21	360	2·3	360	2·6	360	3·3	360	3·0	360	3·0	360	2·6	360	2·6	360	4·6	360	5·6	15	5·6	25	7·5	20	7·2
22	20	9·2	20	8·5	25	8·2	25	7·5	25	7·9	30	7·5	35	7·5	35	7·5	30	9·2	45	8·9	40	9·8	30	9·2
23	25	6·6	25	5·9	25	5·6	25	5·2	25	5·2	25	4·9	25	5·9	25	6·9	30	8·2	35	8·9	30	8·9	25	7·9
24	15	1·6	15	2·6	360	2·3	360	2·0	360	2·3	360	2·3	360	2·0	—	1·0	305	2·3	245	2·3	260	3·0	240	3·9
25	180	4·9	180	2·3	230	3·0	275	2·6	285	2·0	285	2·6	—	1·3	—	1·3	285	3·3	295	3·6	305	3·6	305	4·9
26	—	0·7	—	0·7	—	0·3	—	0·0	—	0·7	—	0·7	—	0·3	—	0·3	—	1·3	—	1·0	290	2·0	310	3·6
27	360	2·3	355	3·0	355	2·6	355	2·0	335	2·6	315	2·6	310	3·6	305	3·0	310	4·3	310	4·6	305	4·3	295	4·3
28	360	2·0	350	2·6	345	3·3	345	3·3	345	3·3	345	3·6	350	3·6	355	3·9	25	3·9	30	4·6	35	5·6	55	4·3
29	—	1·0	—	1·3	30	2·0	25	2·6	25	2·6	25	1·6	25	3·0	360	3·3	355	3·9	345	3·9	345	5·2	345	4·3
30	335	3·0	335	2·0	335	2·3	—	1·3	335	2·0	—	1·0	335	2·0	335	2·3	335	3·0	320	3·3	305	4·3	300	3·9
31	—	1·0	—	1·0	315	2·3	25	3·6	40	3·3	45	3·3	55	3·0	60	3·0	65	5·9	75	5·9	85	5·9	90	5·9
Mean ...	—	4·5	—	4·2	—	4·6	—	4·2	—	4·5	—	**4·1**	—	4·2	—	4·4	—	5·1	—	5·2	—	5·9	—	5·9

441. Richmond (Kew Observatory) : H_a = 5 metres + 20 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	80	8·2	95	8·5	95	7·9	85	9·2	80	7·9	70	5·9	65	6·2	50	6·6	55	8·5	65	9·5	55	8·5	45	7·5
2	—	0·0	—	0·7	—	0·7	—	1·0	—	0·3	—	0·0	—	0·3	—	0·0	—	1·3	70	2·6	115	3·9	155	3·3
3	105	5·9	100	5·9	95	8·9	95	6·9	95	8·9	90	8·5	90	10·2	75	8·2	75	7·9	70	9·5	70	9·5	75	7·9
4	5	6·2	360	5·9	360	6·2	355	5·6	350	5·6	350	3·9	345	4·9	340	5·9	345	5·9	325	4·6	335	6·6	325	4·6
5	—	1·0	—	1·3	—	1·3	—	1·0	—	1·3	—	0·7	—	1·0	345	2·0	345	2·0	290	2·6	280	3·3	240	3·3
6	235	2·0	240	2·6	270	3·9	280	3·0	285	2·6	300	3·0	325	3·0	335	3·9	345	3·0	350	3·3	355	3·3	355	2·6
7	—	1·0	—	0·3	—	1·3	—	1·3	175	2·3	160	2·6	135	3·6	125	4·9	115	5·2	115	4·3	115	4·9	125	5·9
8	70	1·6	70	2·0	70	2·0	70	2·0	70	2·6	70	1·6	70	2·0	50	2·6	15	2·6	350	3·0	350	3·9	340	3·6
9	—	1·3	—	0·7	—	1·0	—	1·0	—	0·7	—	1·0	—	1·0	—	1·0	—	1·3	55	4·6	70	4·3	75	5·6
10	—	1·0	—	1·0	130	1·6	130	1·6	130	1·6	130	2·6	125	3·0	120	3·3	105	5·2	100	4·9	110	5·2	105	5·2
11	90	2·6	90	2·6	90	2·6	90	2·3	90	2·6	90	2·0	90	2·3	90	2·3	90	2·0	90	3·6	85	4·6	85	3·6
12	105	2·0	—	1·3	—	1·3	105	2·0	105	2·0	125	2·3	150	3·0	175	4·3	185	5·6	180	5·2	180	5·2	190	5·6
13	215	7·9	215	8·5	225	7·2	225	6·9	255	4·9	270	4·3	265	3·9	255	4·3	250	4·9	250	3·3	240	4·6	230	5·6
14	205	8·9	205	7·2	205	6·9	205	5·6	200	5·6	190	5·2	185	4·3	185	5·6	185	5·6	170	6·2	170	7·2	155	8·2
15	185	10·5	185	11·8	185	11·8	190	10·8	195	12·1	195	10·2	195	10·8	195	10·2	200	11·5	200	11·8	190	11·8	200	11·8
16	195	8·9	195	8·5	190	8·5	195	8·2	220	7·2	230	6·6	230	7·2	225	7·2	230	8·5	230	6·9	225	7·5	215	6·9
17	360	4·6	360	5·6	360	7·2	360	5·9	360	4·9	360	4·9	360	5·2	360	5·6	360	6·2	355	6·9	350	6·6	355	6·2
18	10	3·3	5	3·0	360	3·9	360	3·0	360	4·6	360	4·9	355	6·2	355	6·6	355	6·9	360	7·2	355	7·5	355	6·9
19	360	4·9	360	5·2	360	5·2	360	4·6	360	4·6	360	5·2	10	5·9	10	6·2	10	5·9	20	5·2	30	7·2	30	6·9
20	5	2·0	5	2·0	—	1·0	—	1·0	—	1·0	5	2·3	5	2·3	5	1·6	5	2·0	360	1·6	5	4·3	45	3·3
21	—	1·0	—	0·0	—	0·7	—	1·0	80	2·0	80	2·0	55	3·0	50	3·0	50	3·0	45	2·0	—	1·3	45	2·0
22	—	0·7	—	1·0	175	2·0	—	1·3	—	0·3	—	0·3	—	0·3	—	1·0	225	2·0	245	2·0	250	1·6	255	2·6
23	335	2·3	—	1·0	—	1·3	—	1·3	335	2·0	335	1·6	330	2·6	275	3·0	270	3·3	260	3·9	275	3·9	270	5·9
24	245	4·9	245	4·9	245	4·6	245	4·3	265	5·9	280	5·9	275	6·9	280	8·5	285	7·9	275	9·2	285	6·6	280	6·9
25	275	4·6	275	4·3	280	4·9	275	3·9	275	3·9	275	3·3	275	6·2	300	7·5	290	6·9	285	6·6	280	7·2	270	5·9
26	245	5·6	280	7·9	305	7·2	305	6·6	305	5·6	305	5·2	300	4·9	295	4·6	285	4·6	285	3·3	290	4·3	275	3·9
27	320	2·0	320	2·6	320	2·3	320	1·6	320	2·0	320	1·6	320	2·6	320	3·0	320	3·6	315	2·6	285	3·6	295	4·3
28	—	0·7	—	0·7	—	0·7	—	1·0	—	1·0	—	1·0	—	1·0	—	1·3	355	2·6	350	3·0	345	4·3	325	3·0
29	—	0·3	—	0·3	—	1·0	—	0·7	—	0·3	—	0·7	—	0·3	—	0·3	—	1·0	—	1·3	—	1·3	175	1·6
30	—	1·3	—	1·3	—	1·3	—	0·0	—	0·3	—	1·0	300	2·3	350	4·3	5	3·9	360	4·3	345	4·9	350	3·0
Mean ...	—	3·6	—	3·6	—	3·9	—	3·5	—	3·5	—	3·3	—	3·9	—	4·3	—	4·7	—	4·8	—	**5·3**	—	5·1

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

Averages for periods of sixty minutes, centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 20 metres.

March, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	m/s.
205	10·5	205	11·5	220	8·2	205	6·2	205	6·9	210	5·2	215	5·6	225	3·9	275	5·9	305	6·6	295	5·9	275	3·9	7·4	1
285	6·2	280	6·2	285	4·9	275	5·2	290	2·6	290	2·0	270	2·3	265	2·6	—	1·3	265	2·6	260	2·6	215	2·6	3·8	2
220	6·6	225	5·6	220	5·6	215	5·9	220	7·5	220	5·2	215	7·5	220	7·2	220	8·5	215	7·5	205	8·9	210	8·2	6·2	3
220	7·2	265	5·6	245	3·6	240	4·3	240	3·9	260	4·3	255	3·9	255	2·6	250	3·0	250	2·3	240	3·3	230	3·6	5·7	4
210	10·8	210	10·8	215	12·8	210	11·1	215	11·1	215	12·1	210	12·5	210	11·8	210	12·8	210	10·2	210	10·8	210	9·5	**8·9**	5
200	5·6	205	6·2	200	5·9	195	6·6	200	5·9	200	4·6	200	5·9	205	5·2	200	4·6	205	6·2	215	3·9	210	3·9	5·3	6
240	5·6	225	4·3	200	3·9	205	3·6	225	4·6	225	3·9	230	3·6	220	4·9	220	4·9	220	4·9	215	5·6	215	5·6	5·9	7
280	10·2	280	9·2	275	9·5	270	8·5	250	8·2	245	7·9	235	7·5	245	7·5	260	8·2	255	5·6	255	5·2	255	4·6	8·0	8
245	4·9	240	4·6	235	5·2	235	3·9	235	3·0	235	2·0	—	1·3	—	1·3	—	1·0	—	0·7	—	0·7	—	0·3	3·4	9
360	6·9	360	6·6	360	6·2	360	5·2	360	4·9	360	3·6	360	1·6	360	2·0	360	2·0	360	2·0	360	2·0	—	1·0	4·2	10
325	2·6	345	2·3	345	2·3	335	2·0	330	2·3	—	1·3	—	0·3	—	0·3	—	0·0	—	0·7	—	1·0	—	0·7	2·2	11
55	3·6	75	4·3	80	5·6	95	5·2	100	5·2	95	4·9	95	3·6	95	3·9	85	4·3	75	6·2	70	4·3	70	4·9	2·5	12
60	9·5	55	7·9	55	9·2	60	8·5	60	8·5	60	8·5	55	10·2	55	8·9	55	10·8	60	8·9	60	8·9	60	7·5	8·3	13
75	8·2	80	7·5	85	7·2	90	5·9	85	7·5	80	5·9	80	5·9	75	4·3	75	4·9	75	4·3	75	6·6	70	6·6	6·6	14
65	7·2	65	4·3	60	5·9	50	5·6	60	5·6	60	5·9	65	6·2	75	7·5	65	6·9	60	5·9	60	5·6	60	5·2	6·0	15
75	3·3	75	3·9	75	3·0	75	2·6	70	3·6	70	2·6	65	3·0	65	2·0	—	1·3	65	3·6	60	4·9	55	3·9	3·3	16
60	3·9	70	5·2	85	5·6	90	6·6	85	5·9	85	5·2	85	4·9	85	6·2	75	5·9	80	5·9	85	5·9	85	4·9	4·4	17
100	5·2	85	5·9	85	7·2	90	6·2	85	5·6	70	5·9	80	5·6	80	5·6	75	7·2	75	5·9	75	5·2	75	3·6	5·4	18
55	3·6	50	3·6	45	4·6	45	4·3	40	4·6	35	4·9	35	4·6	45	5·2	40	4·6	40	5·6	55	4·6	50	3·6	4·2	19
10	7·2	15	6·6	5	6·9	10	5·6	5	6·6	360	5·6	360	3·9	360	3·0	360	2·3	360	2·6	360	3·3	360	3·6	5·4	20
25	7·5	35	7·9	35	8·9	25	8·9	25	8·5	25	8·2	30	8·5	30	7·2	30	7·5	25	6·9	25	8·5	25	7·9	6·0	21
35	10·2	35	10·2	35	10·5	40	10·8	35	9·2	30	8·9	30	7·2	40	7·2	35	6·9	30	6·9	25	6·9	30	5·6	8·4	22
20	7·5	20	7·2	20	7·9	20	6·9	20	6·6	20	5·9	15	4·9	15	4·6	15	4·3	15	3·6	15	3·0	15	1·6	6·1	23
215	4·3	215	4·6	225	5·9	220	5·9	195	5·6	190	3·9	190	4·3	185	5·2	185	5·6	185	5·9	185	6·6	180	6·6	3·7	24
300	4·6	290	4·6	295	4·9	295	4·6	285	3·0	290	3·0	290	2·3	290	1·6	—	1·3	—	0·7	—	0·7	—	0·7	2·9	25
335	4·3	325	4·6	345	4·6	345	3·3	355	4·3	360	3·9	360	4·3	360	4·9	360	5·2	360	4·6	360	3·6	360	3·6	2·6	26
305	6·2	330	6·9	350	5·2	360	3·9	355	3·3	355	1·6	360	3·0	360	2·0	360	1·6	360	1·6	360	1·6	360	2·3	3·3	27
85	3·6	45	5·2	40	3·6	40	4·3	35	5·6	40	3·9	25	4·3	20	3·9	30	3·6	30	3·0	—	0·7	30	1·6	3·7	28
330	4·3	330	5·2	330	5·2	335	3·0	335	3·9	335	3·0	335	2·3	335	2·0	335	2·3	335	1·6	335	1·6	335	1·6	2·9	29
300	3·3	300	3·0	300	2·6	300	2·3	—	1·0	—	1·0	—	1·3	—	1·0	300	1·6	—	0·7	—	1·0	—	0·7	**2·1**	30
95	6·2	105	6·6	110	5·9	110	5·6	105	5·9	115	5·6	95	6·6	85	8·2	85	9·2	85	8·5	85	8·2	80	6·9	5·2	31
—	**6·1**	—	6·1	—	6·1	—	5·6	—	5·5	—	4·9	—	4·8	—	4·6	—	4·8	—	4·6	—	4·6	—	**4·1**	5·0	

April, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
45	6·9	55	7·5	55	5·9	55	3·9	55	3·9	45	4·3	40	4·6	40	3·0	40	1·6	—	1·3	—	0·7	—	0·7	5·9	1
145	2·6	160	4·6	155	4·3	145	3·6	140	4·3	145	3·3	145	2·3	125	3·6	120	2·0	120	1·6	120	3·3	115	4·9	2·2	2
75	8·2	70	7·5	70	6·6	65	6·9	55	7·5	55	6·9	50	7·9	45	6·6	40	7·2	35	6·2	25	6·2	20	6·9	7·6	3
315	5·9	310	5·6	305	4·9	305	4·9	290	3·9	335	2·3	—	1·3	—	1·3	—	1·3	—	1·0	345	2·0	345	1·6	4·4	4
255	2·3	255	1·6	250	2·6	255	3·3	255	2·0	245	2·6	225	4·6	220	4·9	220	3·9	220	3·0	220	3·0	230	2·3	2·4	5
335	4·3	345	2·3	355	2·3	345	2·3	—	1·3	—	1·0	—	1·0	—	1·0	—	1·3	—	0·7	—	1·3	—	1·0	2·4	6
105	6·9	105	6·2	95	6·9	95	6·9	85	6·9	80	5·9	70	6·2	70	3·9	70	4·3	70	3·0	70	2·6	70	2·0	4·1	7
335	3·6	335	3·0	330	2·6	330	2·3	330	1·6	—	0·3	—	0·3	340	4·9	—	1·3	—	1·0	—	1·0	—	0·7	2·2	8
80	3·0	80	2·0	80	2·6	85	4·3	110	5·6	130	2·0	135	2·6	130	2·6	130	2·6	—	1·3	—	1·3	130	1·6	2·3	9
105	6·2	115	5·6	115	6·2	90	5·9	90	6·2	115	4·3	95	5·6	90	4·3	90	4·3	90	2·6	90	3·3	90	2·0	3·8	10
110	2·6	115	2·6	105	2·0	105	1·6	—	1·3	—	0·7	105	2·0	—	0·7	—	1·0	—	1·0	—	1·0	105	1·6	2·1	11
190	7·9	185	6·9	185	7·5	185	6·9	185	8·9	190	9·5	190	8·2	195	9·8	195	10·2	215	10·2	220	8·5	210	8·5	5·8	12
235	5·2	230	4·9	225	4·9	215	5·6	215	3·3	215	2·3	—	0·7	180	3·0	120	3·6	120	2·3	195	7·2	205	8·9	4·9	13
165	9·5	175	11·1	175	9·8	175	8·5	180	6·6	195	4·6	180	5·6	175	5·9	190	6·6	180	7·5	175	9·5	185	9·5	7·1	11
195	12·5	190	11·5	185	11·5	185	13·4	190	14·1	195	13·4	200	11·1	205	9·5	200	7·2	200	8·2	205	7·5	205	7·5	**11·0**	12
220	5·6	230	3·3	245	3·0	270	1·6	310	3·9	5	5·6	5	3·9	5	3·3	5	3·3	5	3·3	5	3·9	360	5·2	5·8	16
350	6·6	355	6·9	10	5·9	355	6·2	360	5·2	360	3·9	360	4·6	10	3·6	10	2·3	10	1·6	10	2·0	10	2·6	5·1	17
355	7·5	350	7·5	350	8·5	360	7·2	355	7·2	355	6·9	360	7·2	360	5·9	360	5·6	355	5·6	355	5·6	360	4·6	5·9	18
30	6·6	25	6·6	5	6·9	15	6·6	20	5·2	5	6·6	5	4·9	5	3·3	5	3·0	5	2·6	5	2·0	5	1·6	5·2	19
35	3·3	10	2·6	5	3·0	5	3·6	5	3·6	15	4·6	75	4·3	80	3·0	80	3·0	80	2·6	—	1·0	—	0·0	2·5	20
65	2·0	—	1·0	—	1·0	—	1·3	—	0·3	—	1·0	—	0·3	150	3·6	170	3·3	170	2·6	—	0·7	—	0·7	1·6	21
265	2·6	295	3·3	305	3·3	320	4·3	335	5·6	340	4·6	350	3·6	350	2·6	350	2·3	350	2·0	—	1·3	340	2·6	2·2	22
250	5·6	240	6·9	225	7·2	230	5·9	235	7·9	255	5·9	255	5·2	250	4·9	235	6·2	235	5·2	235	5·6	245	4·6	4·3	23
280	8·5	280	9·2	270	8·9	265	7·9	270	6·2	280	5·6	290	4·9	300	5·2	295	4·6	280	4·9	280	4·3	275	4·3	6·3	24
275	5·9	265	6·2	300	4·9	270	4·9	245	3·9	230	3·6	200	4·6	180	4·6	145	4·3	160	5·6	195	6·2	230	4·6	5·2	25
290	3·0	305	2·0	270	4·6	325	2·3	285	2·6	285	2·6	315	3·3	320	1·6	—	1·3	—	1·3	320	1·6	320	3·0	3·9	26
295	2·6	250	3·3	300	3·3	305	2·0	300	2·6	315	3·0	—	1·3	—	1·0	—	0·7	—	0·3	—	1·0	—	0·7	2·3	27
325	3·6	330	3·0	330	2·3	285	2·6	—	1·3	325	1·6	—	0·3	325	1·6	290	2·0	—	0·7	—	0·3	—	0·3	1·7	28
175	2·0	—	1·0	—	1·0	50	2·6	55	2·3	110	1·6	260	3·3	300	1·6	—	1·3	—	1·0	—	1·0	300	1·6	**1·2**	29
350	4·3	345	2·3	335	3·0	335	3·3	335	3·3	335	2·0	—	1·3	—	1·0	335	1·6	335	1·6	335	2·0	335	1·6	2·3	30
—	5·2	—	4·9	—	4·9	—	4·7	—	4·6	—	4·1	—	3·9	—	3·7	—	3·4	—	**3·1**	—	3·2	—	3·3	4·1	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

442. Richmond (Kew Observatory) : H_a (height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	1·3	—	0·7	—	0·7	—	1·3	—	1·3	335	1·6	335	1·6	—	1·3	300	1·6	265	2·3	260	3·6	250	3·9
2	230	1·6	—	1·0	—	1·0	—	0·7	—	0·3	—	0·7	230	2·0	310	2·6	335	3·3	5	3·3	5	3·3	360	2·0
3	270	2·0	270	2·3	—	1·3	—	0·7	—	0·3	270	1·6	260	2·3	245	2·6	240	3·3	230	3·0	230	3·9	210	5·6
4	275	2·3	275	2·6	265	3·0	265	2·6	265	2·6	265	3·3	245	4·3	240	4·6	230	5·2	235	4·9	235	6·6	245	7·2
5	235	4·3	230	4·9	230	5·6	230	4·3	225	5·2	215	5·2	195	6·6	200	8·9	230	9·5	260	10·2	290	9·2	285	9·2
6	265	2·3	265	2·0	265	1·6	265	2·0	265	1·6	265	2·3	230	3·0	225	4·3	225	5·9	225	5·2	215	5·6	220	5·6
7	—	1·0	—	1·0	—	1·3	—	0·3	—	1·0	—	0·7	—	1·0	215	2·0	215	2·6	215	3·3	225	3·9	215	4·3
8	—	0·0	—	0·3	—	0·0	—	0·3	—	0·3	—	0·3	—	1·0	190	1·6	190	1·6	—	1·0	220	2·3	240	3·3
9	—	1·0	—	1·0	—	0·7	—	0·7	—	0·0	—	0·7	325	2·6	5	2·6	20	1·6	—	1·0	—	1·0	—	0·7
10	95	2·3	—	1·3	85	2·6	70	3·0	70	4·6	65	3·9	60	4·6	60	5·2	65	5·2	70	4·6	80	6·2	90	5·2
11	100	3·6	100	3·9	100	3·9	100	2·6	100	2·6	100	2·0	100	2·6	100	3·3	100	3·0	100	3·3	100	3·9	90	4·3
12	65	3·6	65	3·0	65	3·3	65	3·9	45	4·3	40	4·6	40	5·6	35	6·6	35	4·9	20	4·3	25	5·6	15	5·6
13	20	2·3	—	1·3	—	1·3	—	1·3	—	1·3	10	2·3	5	2·3	360	3·0	345	4·6	345	5·2	350	4·3	345	3·6
14	25	2·0	—	0·7	—	0·7	—	0·3	—	0·3	—	0·3	—	1·3	25	2·6	260	3·6	205	3·6	210	4·3	200	4·3
15	235	1·6	235	1·6	—	1·0	—	1·3	235	2·0	235	2·0	240	2·3	265	2·6	265	3·3	265	3·3	255	3·9	235	3·9
16	290	2·3	285	2·0	280	2·0	280	2·0	280	2·0	255	3·9	235	5·2	225	5·6	230	6·6	225	5·9	225	5·9	235	5·6
17	215	1·6	215	1·6	—	0·3	215	2·0	215	3·6	215	3·3	215	3·0	210	3·9	200	3·9	200	5·2	190	4·9	190	5·6
18	220	4·3	220	3·9	215	4·3	215	4·3	215	5·6	220	4·9	220	6·2	220	6·2	235	4·9	245	4·9	225	6·6	220	6·9
19	255	2·0	240	3·6	235	3·6	230	3·9	230	4·9	225	4·6	215	3·9	200	6·6	205	7·2	215	6·9	215	7·5	220	7·5
20	255	2·0	255	2·3	255	2·0	255	1·6	255	2·6	250	3·3	225	4·3	230	4·6	225	3·6	225	4·3	230	4·3	225	4·3
21	—	0·3	—	0·3	—	0·3	—	0·0	—	0·3	—	0·3	—	1·0	210	2·0	195	2·6	185	4·6	180	5·6	180	5·6
22	—	0·3	—	0·0	—	0·3	—	0·3	—	0·3	—	0·3	—	1·0	180	2·0	190	2·3	205	2·0	185	3·9	190	4·6
23	50	2·0	60	2·0	—	1·0	—	0·7	—	0·7	—	1·0	—	1·0	140	2·3	210	2·3	195	3·6	195	5·6	195	3·6
24	—	0·7	—	1·0	—	0·7	—	1·0	—	0·0	—	0·7	210	2·0	210	2·0	—	1·3	—	1·0	—	0·7	205	2·0
25	—	0·7	—	1·0	265	1·6	265	1·6	30	2·3	—	1·3	—	1·3	30	1·6	30	1·6	5	1·6	—	1·0	240	2·0
26	255	2·0	255	1·6	—	1·3	255	2·0	255	2·0	255	2·6	255	3·3	265	3·0	260	3·9	265	3·0	270	3·9	265	4·6
27	—	0·3	—	0·7	—	0·3	—	0·7	—	0·7	—	1·3	—	1·0	345	2·6	355	3·0	335	2·3	340	2·6	335	2·3
28	30	2·0	35	2·0	—	1·0	—	1·0	—	1·0	—	1·0	115	2·3	150	3·0	170	2·3	175	2·0	—	1·3	—	1·3
29	—	0·3	—	0·3	—	0·0	—	0·0	—	0·3	—	0·7	—	0·0	—	1·0	—	0·3	—	1·0	110	3·3	130	2·3
30	—	0·7	—	0·0	—	0·7	—	0·0	—	0·7	—	0·7	—	0·3	—	0·7	—	1·3	—	0·7	—	1·0	—	1·3
31	—	1·0	—	1·0	—	1·0	—	0·3	—	1·0	—	0·7	—	0·7	—	0·3	—	1·0	—	1·0	—	1·3	—	1·3
Mean ...	—	1·7	—	1·6	—	1·6	—	1·5	—	1·8	—	2·0	—	2·6	—	3·3	—	3·5	—	3·5	—	4·1	—	4·2

443. Richmond (Kew Observatory) : H_a = 5 metres + 20 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	1·0	—	1·0	—	1·3	—	0·7	—	0·7	—	0·7	—	1·0	90	2·0	90	3·3	90	3·6	90	3·0	95	3·6
2	85	3·3	85	2·0	—	1·0	—	1·0	85	2·3	85	2·0	85	1·6	—	1·0	—	0·3	—	1·0	185	3·3	215	3·3
3	335	3·0	335	2·6	335	3·6	335	2·6	335	2·6	335	2·3	335	3·9	345	3·9	350	3·9	345	3·9	335	4·3	345	4·6
4	—	1·3	—	0·3	—	0·3	—	1·0	—	0·3	—	1·0	350	1·6	10	2·0	—	1·3	25	1·6	5	2·0	360	1·6
5	—	1·3	—	1·0	—	1·0	—	0·7	—	1·0	—	1·0	—	1·0	205	2·6	—	1·3	—	1·3	—	1·3	205	1·6
6	135	2·6	105	3·0	105	2·3	—	1·0	—	0·3	—	0·7	105	3·3	105	3·6	85	4·9	80	6·2	80	6·9	95	6·2
7	95	3·3	95	2·3	95	2·3	95	2·3	—	1·0	95	2·6	95	6·9	95	6·6	95	6·2	80	8·2	80	8·2	80	8·9
8	70	3·0	70	2·6	70	2·6	70	2·0	70	3·3	70	4·3	60	4·9	60	4·3	60	5·9	65	6·2	55	7·9	75	6·2
9	80	3·0	80	3·0	95	2·6	115	2·0	—	1·3	125	1·6	—	1·3	130	2·0	135	2·3	170	3·9	210	3·9	230	4·3
10	—	1·0	225	1·6	—	1·3	225	1·6	225	1·6	—	1·3	235	2·6	255	2·6	270	3·0	280	3·3	305	4·9	305	4·6
11	310	2·0	310	2·0	—	1·3	310	2·3	—	1·3	310	2·3	310	3·3	310	3·3	315	2·3	300	3·9	300	5·2	315	4·3
12	—	0·7	—	1·0	—	1·0	—	1·0	—	1·3	—	1·0	95	2·0	95	1·6	95	2·0	15	2·0	330	2·6	320	3·0
13	—	0·7	—	0·3	—	0·0	—	0·3	—	0·7	—	1·0	—	1·0	20	2·0	305	2·0	280	2·6	315	6·6	335	6·6
14	360	5·6	360	6·2	360	5·2	360	6·2	360	7·5	360	7·2	5	7·2	5	6·2	360	6·6	360	6·6	10	7·9	15	7·2
15	25	3·3	25	3·3	25	3·0	25	3·0	25	3·0	25	3·0	25	3·9	25	4·6	25	4·3	35	4·9	40	4·6	40	4·3
16	40	3·0	40	2·6	—	1·3	40	2·0	40	2·0	40	2·6	45	3·0	45	2·3	45	2·3	45	2·6	45	2·3	30	3·0
17	345	1·6	345	3·3	345	3·3	350	3·3	350	3·3	350	3·3	350	3·0	335	3·6	320	5·6	315	5·9	320	6·2	310	5·6
18	330	2·0	330	2·3	330	1·6	—	1·3	330	1·6	330	2·0	315	4·3	315	4·6	325	4·3	345	3·6	355	4·3	330	2·6
19	300	2·0	300	1·6	300	1·6	300	2·0	300	2·0	300	2·6	300	2·0	300	3·3	295	3·0	290	3·3	275	3·6	275	4·3
20	265	1·6	265	2·0	265	3·0	260	2·6	250	3·6	240	3·9	230	5·2	235	4·9	245	3·9	245	4·6	235	5·9	240	5·6
21	—	1·0	—	0·7	—	1·3	285	1·6	285	1·6	—	1·3	—	1·0	—	1·0	—	1·3	235	2·0	225	2·6	245	2·3
22	—	0·7	—	1·0	—	1·3	—	1·3	300	2·0	300	2·0	300	2·6	265	3·0	255	3·6	230	4·3	225	5·6	225	6·6
23	225	4·3	220	5·2	215	5·9	210	5·9	215	6·2	255	4·3	255	5·2	245	5·9	250	5·6	235	5·6	255	4·9	255	4·9
24	270	2·6	265	3·0	265	3·0	265	1·6	265	2·3	260	3·3	250	4·6	240	4·9	235	5·2	215	5·9	215	6·9	215	7·5
25	240	4·9	235	4·3	235	4·3	230	4·9	235	4·6	240	5·2	245	6·2	245	6·6	250	5·9	265	6·2	255	6·6	245	7·5
26	245	2·6	245	3·0	245	2·3	245	3·0	240	3·3	240	3·3	240	3·3	240	3·0	240	3·3	220	5·6	215	5·6	205	5·2
27	250	3·6	250	3·6	255	3·9	255	3·6	240	5·6	245	5·2	255	4·9	260	6·2	270	4·9	255	4·3	240	3·9	230	4·9
28	225	7·2	225	7·2	225	6·9	230	5·2	225	5·9	220	6·6	220	6·2	225	5·9	220	6·6	225	5·6	235	5·9	235	4·6
29	320	2·6	315	2·3	315	2·3	315	2·0	275	2·3	275	2·6	275	3·9	270	4·6	270	4·6	260	4·6	265	5·9	265	6·6
30	265	2·0	265	2·0	265	1·6	265	2·0	265	3·0	260	3·0	250	3·6	260	3·9	245	4·9	240	4·9	245	3·9	240	5·6
Mean ...	—	2·6	—	2·5	—	2·4	—	2·3	—	2·6	—	2·8	—	3·5	—	3·7	—	3·8	—	4·3	—	4·9	—	4·9
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

Averages for periods of sixty minutes, centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 20 metres.

May, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
255	5·6	250	3·3	250	3·6	250	5·2	250	2·3	—	0·7	220	3·0	—	1·0	—	1·3	230	1·6	230	2·0	—	1·3	2·2	1
360	2·0	355	2·3	300	3·0	295	3·3	300	2·6	285	3·0	285	2·0	—	1·0	275	2·3	270	1·6	270	2·0	270	2·3	2·0	2
210	6·6	200	7·5	200	6·2	205	5·9	205	3·9	205	3·6	205	4·6	205	3·9	230	3·6	265	3·9	275	3·9	275	3·0	3·5	3
260	5·2	245	5·6	260	6·9	265	8·2	270	8·2	260	7·2	260	6·2	265	6·9	265	3·9	265	4·3	265	3·3	250	3·6	4·9	4
275	7·5	280	6·9	280	6·2	280	6·6	270	5·6	270	5·6	275	3·9	265	4·3	265	3·3	265	1·6	265	2·3	265	1·6	**5·8**	5
225	5·6	225	6·2	220	6·6	220	6·6	225	6·2	225	5·9	215	4·6	215	3·3	215	3·0	—	1·3	—	1·3	—	1·0	3·9	6
190	3·9	200	4·3	195	4·3	200	3·9	195	3·9	195	3·3	190	2·3	—	1·0	—	1·0	—	0·3	—	0·3	—	0·3	2·2	7
235	4·9	245	4·6	255	4·9	270	4·6	245	4·3	260	3·3	265	2·6	260	2·6	260	2·3	260	2·6	—	1·3	—	1·3	2·1	8
—	1·3	—	1·3	265	1·6	360	4·3	80	5·2	95	3·3	95	2·3	95	3·9	95	3·3	95	1·6	95	1·6	—	1·3	1·9	9
85	4·9	95	3·9	85	4·6	85	4·6	90	3·9	90	3·9	100	4·6	110	4·3	110	5·6	105	4·9	100	4·9	100	3·6	4·2	10
90	4·9	80	5·9	80	7·5	80	7·5	90	7·2	80	6·9	80	7·9	80	7·9	80	7·5	80	6·9	75	4·9	70	4·9	4·9	11
10	5·9	15	6·9	10	6·2	5	7·5	360	7·5	5	6·6	10	4·9	20	3·3	20	1·6	10	1·6	20	2·0	20	2·3	4·7	12
350	3·6	355	3·9	340	2·6	15	2·6	25	2·3	25	2·6	—	1·3	—	0·7	—	1·3	25	2·0	—	1·3	25	1·6	2·5	13
205	4·6	205	5·2	200	5·6	195	6·2	210	5·2	225	5·6	230	4·9	230	3·6	230	2·3	235	1·6	—	1·3	—	1·3	3·0	14
235	4·9	240	4·9	265	5·2	275	4·3	275	4·6	285	4·6	290	3·3	290	2·3	290	1·6	290	3·0	290	2·3	—	1·3	3·0	15
220	5·6	210	6·6	215	7·9	225	6·6	230	6·9	225	6·2	220	5·6	225	4·9	220	3·3	215	2·3	215	1·6	215	1·6	4·5	16
195	6·2	205	4·9	210	4·6	210	4·9	210	8·2	210	6·6	220	5·6	225	4·9	225	5·2	225	4·9	220	5·6	220	4·9	4·3	17
255	6·6	255	6·6	240	6·6	235	5·6	240	4·9	255	4·9	250	3·0	255	2·6	255	2·0	—	1·3	255	2·0	255	2·3	4·7	18
220	8·2	260	7·2	275	8·9	265	7·5	265	6·9	265	5·9	260	4·9	260	4·3	265	4·3	265	3·9	255	2·6	255	2·0	5·1	19
225	4·3	230	4·3	235	4·3	230	3·9	225	3·9	210	4·3	215	4·6	210	3·3	210	2·3	—	1·3	—	1·0	—	0·7	3·3	20
180	4·9	180	4·6	165	6·2	165	5·9	175	5·9	180	4·9	180	2·3	—	1·0	—	1·3	—	1·3	—	0·7	—	0·3	2·6	21
185	6·2	190	6·6	190	6·9	215	5·9	220	5·2	220	3·0	235	2·0	275	1·6	315	2·3	25	4·3	45	3·6	45	3·3	2·8	22
200	1·6	205	3·3	195	5·2	195	5·2	195	4·6	195	3·0	—	1·3	—	1·0	210	1·6	—	1·3	—	1·3	—	1·0	2·4	23
200	2·3	235	2·6	225	2·6	205	2·6	280	3·0	260	3·0	—	1·3	—	1·3	—	1·3	—	1·0	—	0·7	—	0·7	1·5	24
—	1·3	210	2·6	95	4·3	105	5·6	115	3·0	135	2·3	140	1·6	—	1·0	—	1·3	245	1·6	250	2·3	250	1·6	1·9	25
275	4·3	275	3·9	275	3·9	285	3·3	290	3·3	300	2·6	300	2·0	300	2·0	300	1·6	300	2·0	305	2·6	—	1·3	2·8	26
335	3·0	345	2·6	335	2·6	345	2·6	350	2·6	350	2·3	350	3·3	355	2·0	355	2·3	360	1·6	360	2·0	360	2·3	2·9	27
—	1·3	—	1·0	350	2·6	75	4·6	85	3·6	100	4·3	95	4·9	95	3·0	100	2·0	100	1·6	—	0·7	—	0·7	2·1	28
120	2·3	90	2·6	115	2·3	100	3·3	90	4·3	90	3·9	90	3·3	90	2·0	—	1·0	—	0·7	—	0·7	—	0·3	1·5	29
—	1·3	—	1·3	—	1·3	280	2·3	—	1·3	—	0·7	200	3·0	185	2·0	—	1·3	—	1·3	—	1·0	—	1·0	**1·1**	30
—	1·3	305	1·6	350	2·3	25	2·6	35	2·6	65	3·9	75	3·3	—	1·3	80	2·6	80	2·3	80	1·6	—	1·3	1·5	31
—	4·3	—	4·3	—	**4·8**	—	4·1	—	4·6	—	4·2	—	3·6	—	2·9	—	2·6	—	2·3	—	2·1	—	1·8	3·1	

June, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
105	3·3	165	3·3	160	3·9	165	3·0	105	5·9	95	6·6	85	6·2	85	5·6	85	6·2	85	3·0	85	3·6	85	3·3	3·1	1
—	1·3	—	1·0	—	1·0	265	2·0	210	2·6	205	2·3	205	2·6	220	2·6	260	3·0	330	2·6	335	2·3	335	2·3	2·0	2
350	4·3	360	3·0	335	3·9	345	3·9	345	4·3	345	4·3	350	3·3	350	2·0	350	2·0	350	2·0	—	1·3	350	1·6	3·2	3
345	1·6	315	2·0	—	1·3	315	2·3	315	1·6	315	2·0	—	1·3	285	2·3	205	1·6	205	2·3	205	1·6	—	1·0	**1·5**	4
—	1·3	—	1·3	280	2·3	290	1·6	295	1·6	335	2·3	80	3·3	145	2·3	—	1·3	—	0·7	—	0·7	—	1·0	**1·5**	5
100	5·9	100	5·9	95	6·2	100	6·2	105	6·6	110	5·6	85	5·2	95	3·6	95	3·9	95	4·3	95	3·3	95	3·0	4·2	6
80	8·5	85	8·9	80	8·9	85	9·8	90	8·2	95	5·2	90	5·6	85	5·6	85	6·2	85	4·9	75	3·3	70	3·6	5·7	7
70	4·6	70	6·2	75	4·9	85	3·9	80	3·9	80	4·6	75	4·6	65	4·3	70	3·9	70	5·2	75	4·3	75	3·9	4·5	8
220	3·6	225	3·9	230	3·0	225	3·6	225	4·3	200	5·2	210	2·3	225	2·3	—	1·3	—	1·3	—	1·0	—	1·0	2·7	9
315	4·3	310	4·6	310	3·6	310	3·9	315	4·3	310	3·6	310	3·3	310	1·6	310	1·6	310	2·0	—	1·3	—	1·3	2·7	10
330	3·9	345	3·9	345	3·0	345	2·3	360	2·0	360	2·0	360	1·6	55	3·9	75	3·6	95	2·3	95	1·6	—	0·3	2·7	11
300	2·6	325	3·0	345	3·3	355	2·3	355	2·6	355	2·3	—	1·3	—	1·0	5	3·0	50	4·3	—	1·0	—	0·3	1·9	12
340	4·3	320	5·6	335	4·3	335	4·3	330	4·3	340	4·9	340	4·6	345	4·9	350	6·9	360	6·6	360	8·2	360	6·2	3·6	13
15	6·6	15	6·6	20	5·9	25	5·9	15	6·2	10	4·9	20	3·6	25	3·6	25	3·3	25	3·3	25	3·3	25	3·3	5·7	14
40	5·6	45	4·6	45	4·6	45	3·9	45	3·6	40	4·6	40	4·3	40	3·6	40	4·3	40	3·9	40	3·6	40	2·0	3·9	15
25	2·3	355	2·0	355	1·6	355	3·0	355	2·0	—	1·0	—	0·0	—	0·7	355	1·6	355	1·6	—	1·0	—	0·0	1·9	16
320	5·6	320	4·9	315	5·9	325	6·2	330	4·6	325	5·6	325	4·6	330	3·0	330	3·0	330	1·6	—	1·3	330	1·6	4·0	17
335	3·0	335	2·3	315	2·6	315	3·6	310	3·0	300	3·9	305	3·3	305	2·3	305	2·0	305	2·3	305	2·3	300	2·0	2·8	18
270	3·9	275	4·3	275	5·2	265	4·9	280	4·6	265	3·9	265	3·6	265	2·6	265	2·0	265	1·6	—	1·0	265	1·6	2·9	19
250	4·9	260	5·2	265	4·6	270	4·6	275	4·3	245	4·9	265	3·6	285	2·6	285	2·0	285	2·0	285	2·3	285	1·6	3·7	20
235	3·0	265	3·0	270	2·6	275	3·3	295	4·9	300	5·2	300	4·6	300	2·6	300	2·3	—	1·3	300	2·3	300	2·0	2·3	21
225	6·6	215	7·5	225	5·9	225	5·2	230	4·3	235	3·9	235	3·9	235	2·3	235	3·6	235	3·3	230	3·6	225	3·9	3·6	22
255	5·2	260	4·9	260	6·2	270	5·9	275	5·9	270	4·6	280	5·6	285	3·6	275	3·0	275	2·3	275	2·6	275	2·6	4·9	23
215	7·5	200	8·5	200	8·9	190	6·6	200	5·9	210	5·2	225	4·3	250	3·6	255	3·0	255	3·9	250	3·3	245	3·6	4·8	24
265	6·2	270	7·2	270	7·9	265	6·9	265	7·2	265	6·2	255	5·9	250	4·9	260	3·9	265	3·3	250	3·3	245	3·0	5·6	25
200	2·6	200	3·3	—	1·3	220	2·6	240	3·3	245	2·6	250	3·6	260	3·6	260	3·9	260	3·3	260	3·0	255	3·0	3·3	26
225	5·9	215	6·9	210	9·2	210	8·5	215	8·2	215	8·2	215	8·2	215	7·5	220	7·5	225	6·2	225	7·2	225	7·2	**6·0**	27
230	4·6	225	4·9	230	3·6	235	3·0	225	3·9	220	4·3	275	3·3	295	3·6	315	2·3	—	1·3	320	2·0	320	1·6	4·8	28
265	4·3	255	5·6	265	4·9	280	4·3	270	5·6	270	4·9	270	4·3	265	3·0	265	2·0	265	2·3	265	2·3	265	2·0	3·7	29
225	4·9	240	6·2	250	5·2	240	4·9	250	5·2	250	4·6	255	4·3	255	3·6	255	3·6	—	1·0	250	3·3	245	3·3	3·7	30
—	4·4	—	4·7	—	4·5	—	4·4	—	4·5	—	4·3	—	3·9	—	3·3	—	3·3	—	2·9	—	2·7	—	2·4	3·6	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360) : Speed in metres per second.

444. Richmond (Kew Observatory) : H_a (height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	245	3·0	245	3·9	240	3·9	230	3·3	225	3·3	215	3·6	210	5·6	200	5·9	200	6·9	195	6·6	200	6·9	200	8·5
2	195	4·9	195	4·9	205	4·3	230	3·0	235	3·0	225	4·6	225	4·9	225	6·6	225	6·9	225	6·2	215	8·2	210	8·2
3	230	3·3	230	3·0	230	2·0	230	2·0	215	3·6	200	3·6	185	4·9	185	6·2	190	5·2	195	5·9	205	6·9	205	7·5
4	—	0·7	—	0·3	—	0·7	260	2·3	255	2·3	225	2·6	200	4·6	195	5·2	190	5·2	190	6·2	190	6·6	205	7·2
5	220	3·3	220	3·0	220	3·6	220	3·0	220	4·3	220	3·9	215	5·2	210	5·2	205	4·9	210	4·9	200	4·9	190	4·6
6	180	9·2	175	6·9	190	10·8	205	11·8	210	9·2	195	7·9	200	9·8	195	11·1	190	9·2	205	10·2	230	11·5	235	8·9
7	245	3·3	245	3·0	245	3·3	245	3·0	245	2·3	245	3·3	235	4·6	235	5·6	235	5·6	235	4·3	230	4·9	235	4·6
8	—	0·7	230	1·6	—	1·0	230	1·6	—	1·3	155	3·0	155	2·6	155	3·3	155	3·6	150	4·3	160	6·9	175	6·9
9	195	8·2	200	7·9	195	8·9	190	7·5	195	8·5	205	7·2	225	6·6	245	5·6	240	6·6	245	6·9	250	8·2	240	7·9
10	240	2·6	240	2·3	240	2·6	240	2·3	240	3·6	240	2·3	240	2·3	240	3·3	240	3·0	245	2·3	245	3·0	245	2·6
11	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	175	1·6	120	1·6	135	1·6
12	—	0·3	—	0·3	—	0·3	—	0·0	—	0·0	—	0·3	—	0·7	105	1·6	120	2·0	—	1·3	185	1·6	220	2·0
13	—	1·0	—	0·3	—	0·3	—	0·7	—	0·7	—	1·0	—	1·0	230	2·0	205	3·0	200	4·9	205	4·3	195	3·6
14	200	2·0	200	1·6	200	1·6	—	1·3	—	1·0	200	2·0	200	1·6	200	1·6	175	2·0	130	3·0	140	3·0	140	2·3
15	—	1·3	—	1·0	280	2·6	320	2·6	330	1·6	—	1·3	330	2·3	310	3·0	295	3·9	295	3·6	315	4·6	300	4·3
16	290	2·3	290	2·0	290	2·0	290	2·0	290	2·6	285	3·6	285	3·6	290	4·6	290	5·6	295	6·6	280	6·6	275	6·9
17	295	4·6	295	3·0	295	3·3	290	3·0	290	3·6	295	3·9	305	4·6	315	3·9	315	3·6	305	3·6	290	3·6	270	3·9
18	260	3·0	245	2·0	225	2·3	195	3·3	200	3·6	215	3·6	235	3·6	275	4·9	320	5·2	315	4·3	300	4·9	300	5·2
19	310	2·0	310	2·0	305	2·0	305	1·6	—	1·3	—	1·3	305	3·6	300	3·3	285	3·9	285	3·9	280	4·6	295	4·6
20	285	1·6	285	1·6	285	2·0	285	2·0	285	2·6	285	2·0	275	2·6	245	3·6	235	3·9	230	4·9	225	4·6	225	4·3
21	225	4·3	225	3·6	225	3·0	225	2·6	225	3·6	225	3·3	225	3·9	225	3·6	215	3·6	195	3·0	210	5·2	205	4·3
22	—	0·7	—	0·7	—	0·7	—	0·7	—	0·3	—	0·3	—	0·0	—	0·7	—	0·3	—	0·3	—	1·3	205	3·3
23	210	2·6	210	2·3	210	2·6	210	1·6	210	1·6	210	1·6	210	1·6	—	1·0	—	1·3	—	1·0	—	1·3	—	1·0
24	—	1·0	290	2·3	20	3·0	45	3·6	55	4·3	65	4·3	55	3·9	50	4·3	35	4·6	15	4·6	15	4·3	10	3·6
25	—	1·0	—	1·3	—	1·3	—	1·3	—	1·0	—	1·3	—	1·0	—	1·3	20	2·0	305	2·3	265	3·6	270	3·6
26	—	0·7	—	1·0	—	1·0	310	2·0	310	1·6	310	1·6	285	2·6	265	3·0	255	3·3	235	5·2	230	6·2	230	5·2
27	225	3·0	225	2·3	225	2·6	235	2·3	245	2·6	245	2·0	245	3·0	255	2·0	265	2·3	275	1·6	280	2·3	275	2·3
28	345	2·0	345	2·3	345	2·6	345	2·3	345	1·6	—	1·0	—	0·7	345	2·0	345	1·6	350	2·0	360	2·0	355	2·0
29	—	0·7	—	0·7	—	0·3	—	1·0	230	3·3	225	2·3	225	2·6	225	3·6	215	5·2	220	6·9	220	6·2	220	6·9
30	220	4·3	225	3·0	225	2·3	235	2·6	230	3·6	225	3·6	225	3·6	225	3·3	225	3·6	240	3·0	255	2·0	260	2·3
31	275	2·0	275	2·0	275	2·0	275	2·3	275	2·3	250	3·6	235	3·9	240	4·9	240	5·6	235	5·2	230	5·9	230	6·2
Mean ...	—	2·6	—	2·3	—	2·5	—	2·5	—	2·7	—	2·8	—	3·3	—	3·8	—	4·0	—	4·2	—	4·8	—	4·7

445. Richmond (Kew Observatory) : H_a = 5 metres + 20 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	240	3·0	240	2·6	240	3·0	240	2·0	240	2·0	240	3·0	240	3·3	240	3·6	230	3·6	225	4·6	225	5·2	250	4·9
2	235	1·6	—	0·7	240	2·0	—	1·3	240	1·6	—	1·3	240	1·6	250	1·6	260	1·6	245	2·3	270	3·0	280	3·0
3	—	1·3	—	1·3	—	1·0	—	0·3	—	1·3	—	1·3	—	1·3	265	2·3	210	3·6	215	3·3	220	2·6	215	2·6
4	—	0·7	—	1·0	—	1·0	—	0·7	—	1·0	—	0·7	—	1·3	—	0·7	—	1·0	215	1·6	215	2·0	—	1·0
5	—	0·3	—	1·0	—	0·7	—	0·7	—	1·3	—	1·3	215	2·6	215	2·0	215	2·0	—	1·3	65	3·0	65	3·3
6	80	4·9	80	5·2	80	4·3	80	3·3	80	3·3	80	3·6	80	4·9	80	6·6	75	7·5	80	7·5	75	8·2	75	8·2
7	85	2·3	85	1·6	—	1·0	—	1·0	—	1·0	205	2·6	230	3·6	245	4·3	250	4·3	240	4·6	240	5·6	240	5·6
8	—	0·7	—	0·3	220	1·6	—	1·3	—	1·0	—	1·0	—	1·0	—	0·7	220	2·0	220	4·3	215	3·9	200	3·3
9	235	2·0	235	2·3	235	1·6	235	2·3	235	2·6	240	3·6	250	2·6	260	3·3	265	3·9	240	5·2	250	4·3	240	4·6
10	350	2·6	—	1·3	350	2·0	350	2·3	350	1·6	350	1·6	350	2·0	350	2·3	350	2·3	360	2·3	5	2·0	10	2·6
11	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	1·0	—	0·7	—	1·0	—	0·7	15	2·3	—	0·7	120	3·3
12	200	1·6	—	1·3	—	1·0	—	1·0	—	0·3	—	0·7	200	1·6	200	3·6	200	3·6	195	4·6	195	6·6	195	5·9
13	200	3·6	210	3·0	215	2·3	285	2·3	—	1·3	—	1·3	295	1·6	280	2·0	280	2·6	265	2·6	260	3·3	260	3·3
14	—	1·3	—	1·3	—	1·0	—	0·7	—	1·0	—	0·7	—	1·0	—	0·3	—	1·3	305	1·6	—	1·0	—	1·0
15	5	2·0	5	2·0	5	1·6	—	1·0	—	1·3	—	1·0	—	1·3	5	2·0	5	2·3	345	2·0	315	4·3	320	4·3
16	285	1·6	285	1·6	285	1·6	—	1·0	—	1·3	285	1·6	275	2·6	225	4·6	225	6·6	225	6·6	215	7·5	215	7·9
17	210	4·9	205	4·3	205	3·9	205	2·6	205	3·3	205	5·9	210	6·6	215	6·2	215	5·9	220	5·6	245	4·6	250	5·6
18	260	3·0	260	2·6	260	3·3	260	2·0	260	2·3	260	2·3	260	2·6	270	4·6	275	4·3	250	4·6	270	5·6	280	5·6
19	—	1·3	—	1·0	—	1·0	—	0·7	—	0·7	—	1·3	—	0·7	—	0·7	—	1·3	275	1·6	—	1·3	245	1·6
20	255	1·6	255	1·6	255	2·3	—	1·3	—	1·0	—	0·3	255	2·0	255	1·6	255	3·0	265	2·3	250	3·3	260	2·0
21	—	0·3	—	0·3	—	0·3	—	0·0	—	0·0	—	0·7	—	0·0	—	0·3	—	0·7	—	0·3	—	1·0	—	1·3
22	—	0·0	—	0·0	—	1·0	—	0·7	—	0·3	—	0·0	—	1·3	355	1·6	305	1·6	265	2·6	265	3·0	270	4·3
23	225	4·9	240	3·6	255	2·6	255	3·6	260	3·6	275	3·9	285	5·2	295	4·6	300	6·6	305	6·9	295	6·2	305	6·9
24	285	3·0	285	1·6	275	2·6	270	2·6	270	3·3	270	2·3	270	2·6	270	3·0	270	3·3	240	3·9	230	5·2	225	5·9
25	245	3·6	250	2·6	250	4·3	255	3·0	260	3·6	265	3·3	270	4·3	275	4·3	275	5·2	285	4·9	285	5·2	280	4·3
26	—	1·3	—	1·0	325	2·0	—	1·0	325	1·6	—	1·3	325	2·0	—	1·3	285	3·0	280	2·0	260	2·3	250	2·6
27	225	2·3	225	3·0	225	3·0	225	2·3	220	3·9	210	3·6	205	3·9	200	4·9	200	4·9	195	5·9	185	5·6	190	1·9
28	—	0·3	—	0·3	—	0·3	—	1·3	—	0·3	—	1·3	195	1·6	—	1·3	—	0·3	—	1·0	200	2·0	200	2·0
29	200	1·6	—	1·3	—	1·3	—	1·0	—	0·7	—	1·3	—	1·3	—	1·3	200	2·0	200	2·3	205	2·3	195	2·6
30	—	1·0	185	2·0	195	2·0	205	1·6	205	1·6	205	2·0	—	1·3	205	2·0	205	3·0	—	1·3	200	2·0	185	3·3
31	220	4·9	220	2·6	220	2·0	220	1·6	220	1·6	—	1·0	—	0·7	—	0·7	—	1·0	220	2·0	—	1·0	-	0·7
Mean ...	—	2·1	—	1·8	—	1·9	—	1·5	—	1·6	—	1·8	—	2·2	—	2·6	—	3·1	—	3·3	—	3·7	—	3·8

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

Averages for periods of sixty minutes, centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 20 metres.

July, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
200	8·5	200	9·5	195	7·2	195	7·9	205	5·6	190	4·6	190	3·6	190	3·6	190	3·6	195	3·9	195	5·2	195	5·6	5·4	1
210	8·9	220	7·9	210	9·8	210	9·2	215	8·5	220	7·2	220	7·9	225	5·6	225	3·9	235	3·0	230	3·9	230	3·6	6·1	2
220	7·9	220	7·2	275	6·6	280	4·3	280	4·6	275	3·3	275	3·9	270	2·6	270	2·3	270	2·0	270	2·0	270	1·6	4·3	3
205	6·9	200	6·6	195	6·2	195	5·2	205	5·6	210	6·2	220	5·9	220	4·6	220	3·3	220	3·9	220	3·3	220	4·3	4·4	4
190	3·9	175	4·3	165	3·0	145	4·6	115	6·6	115	5·9	145	6·9	170	8·2	180	10·2	180	7·2	180	7·5	180	7·2	5·2	5
255	7·5	265	5·2	255	6·6	250	4·9	260	5·6	245	4·3	245	5·9	255	3·9	250	3·3	245	3·0	245	3·6	245	3·0	**7·3**	6
210	6·2	205	7·9	230	5·9	285	2·3	—	1·3	275	2·0	275	2·3	—	1·3	—	0·7	—	1·0	—	1·3	—	0·7	3·4	7
175	9·2	180	9·2	180	10·2	190	7·5	195	8·2	195	7·5	195	8·5	190	9·2	190	8·9	190	9·5	190	10·2	195	9·2	5·8	8
250	6·6	250	6·9	250	7·2	250	6·9	240	7·2	245	5·9	245	6·2	245	5·2	250	3·9	245	4·9	240	3·6	240	3·0	6·7	9
245	3·0	245	2·3	225	2·0	225	2·3	210	3·3	205	3·3	205	2·6	205	2·0	205	2·0	—	1·3	—	1·0	—	0·7	2·5	10
105	3·0	—	1·3	—	0·3	—	0·3	—	0·7	105	2·0	—	0·0	—	0·7	—	0·7	—	0·7	—	0·7	—	0·0	**0·8**	11
225	1·6	230	2·6	280	2·6	285	2·0	255	3·0	230	2·6	230	3·3	230	3·0	—	1·3	230	1·6	—	1·3	—	1·3	1·5	12
190	4·6	190	4·9	185	5·2	195	5·6	200	4·3	200	3·6	200	3·3	200	3·9	200	3·3	200	2·6	200	3·3	200	2·3	2·9	13
185	3·0	200	2·6	—	1·3	—	1·0	200	1·6	200	2·0	200	2·0	200	2·0	—	1·3	—	1·0	—	0·7	—	1·0	1·8	14
305	3·9	320	3·0	335	2·0	305	3·0	260	4·6	255	3·0	270	2·6	255	2·3	255	3·9	285	3·3	290	2·6	290	2·3	2·8	15
275	6·9	275	5·9	280	7·2	275	6·6	285	5·9	290	6·2	285	6·9	285	5·6	285	4·9	280	5·2	290	5·6	290	3·9	4·9	16
265	3·9	265	3·6	275	3·9	265	3·9	255	3·0	275	3·0	275	4·3	275	2·0	280	1·6	275	1·6	275	1·6	275	2·0	3·3	17
305	2·3	305	3·6	310	4·9	305	4·6	310	4·6	310	2·3	310	1·6	310	1·6	310	1·6	—	1·0	310	1·6	310	1·6	3·2	18
285	4·9	275	4·6	290	3·9	295	3·9	290	3·6	285	2·6	285	2·3	285	2·3	285	1·6	285	1·6	285	2·0	285	1·6	2·9	19
225	4·6	225	4·6	225	4·9	220	3·9	220	5·6	220	5·6	225	4·6	225	3·0	225	3·3	225	3·0	225	3·3	225	3·6	3·5	20
195	5·9	190	5·2	215	5·2	245	4·3	275	3·9	285	2·0	285	2·0	—	1·0	—	0·3	—	0·7	—	0·3	—	0·3	3·2	21
190	4·3	195	3·9	205	3·3	—	1·3	—	1·0	—	1·0	210	3·9	205	3·0	205	3·0	210	1·6	210	2·3	210	2·3	1·6	22
235	3·0	250	2·0	255	2·0	260	3·0	280	3·3	285	1·6	—	1·3	—	1·0	—	0·3	—	0·0	—	0·3	—	0·3	1·6	23
5	3·6	360	5·2	10	4·6	360	4·6	5	5·2	15	3·3	20	2·6	—	0·7	—	0·7	—	0·7	—	1·0	20	1·6	3·2	24
285	4·6	285	3·6	300	3·0	305	3·6	305	3·9	305	3·0	305	1·6	305	1·6	—	1·0	—	0·7	—	1·0	—	0·7	2·1	25
225	6·6	225	6·6	225	5·2	225	5·9	225	5·6	230	4·6	220	4·9	220	4·6	220	4·3	225	3·3	225	3·6	225	2·3	3·8	26
285	2·6	285	1·6	310	2·6	325	2·0	325	2·3	335	3·0	345	2·3	345	1·6	—	1·3	—	1·3	—	1·3	345	1·6	2·2	27
345	1·6	325	2·0	290	2·6	—	1·3	285	2·0	—	1·3	—	0·7	—	0·7	—	0·3	—	0·7	—	0·7	—	1·0	1·6	28
215	6·9	210	6·9	210	7·9	215	6·6	220	6·9	220	7·5	220	3·3	220	4·3	220	4·9	225	4·9	225	5·2	220	4·6	4·5	29
255	2·3	240	3·0	240	3·3	240	3·0	240	2·3	240	2·3	240	1·6	245	2·0	260	2·6	270	2·3	275	2·0	275	2·6	2·8	30
225	6·6	225	7·5	210	7·5	220	6·6	240	4·6	230	4·9	235	3·6	235	2·6	240	2·3	240	2·6	240	2·0	240	3·0	4·1	31
—	**5·0**	—	4·9	—	4·8	—	4·3	—	4·3	—	3·8	—	3·6	—	3·1	—	2·8	—	2·6	—	2·7	—	2·5	3·5	

August, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
275	3·6	235	4·3	250	2·0	260	2·6	270	3·0	235	3·9	235	3·0	235	2·3	—	1·3	235	2·0	235	2·3	235	2·0	3·1	1
280	3·3	295	3·0	285	3·3	270	3·0	240	4·3	225	4·9	255	3·0	270	1·6	270	2·3	270	2·0	270	2·0	—	1·3	2·3	2
215	2·3	225	3·0	240	3·3	235	4·9	230	2·3	—	1·3	225	3·0	220	2·6	220	2·0	—	1·3	—	1·3	—	1·3	2·1	3
—	1·0	—	1·3	—	1·0	—	1·3	215	2·3	—	1·3	—	1·3	—	0·3	—	0·7	—	0·0	—	0·7	—	0·7	**1·0**	4
50	3·0	65	4·9	85	3·9	85	4·6	100	4·6	95	4·9	90	5·6	90	3·6	90	5·6	85	5·2	85	5·2	85	4·6	3·1	5
75	7·2	70	7·5	75	5·9	75	7·5	75	7·2	80	6·2	75	5·9	75	6·6	70	6·2	80	5·6	85	3·6	85	3·0	**5·9**	6
245	5·6	250	4·9	255	4·6	255	4·9	250	3·9	235	3·6	235	3·9	220	4·3	220	2·6	220	2·0	220	1·6	220	1·6	3·4	7
195	4·9	190	5·6	200	6·9	205	5·6	205	6·6	215	6·2	215	5·2	225	2·6	230	4·3	230	2·6	230	2·3	—	0·7	3·1	8
245	5·6	260	5·6	275	4·3	280	2·3	285	2·0	285	2·3	320	3·6	340	2·0	345	2·0	340	2·6	330	4·3	340	3·9	3·2	9
360	3·3	10	2·6	20	2·6	20	2·6	20	3·0	20	2·0	—	1·3	20	1·6	20	1·6	—	1·0	—	0·7	—	0·7	2·1	10
175	3·6	275	2·0	270	2·3	225	2·0	210	2·6	200	3·0	—	1·3	—	1·3	—	1·3	—	1·0	—	1·3	200	1·6	1·4	11
195	6·9	205	6·2	205	5·9	210	5·6	200	6·2	200	6·2	205	7·5	205	7·2	205	6·6	205	6·2	200	6·2	200	4·3	4·4	12
280	3·9	285	3·3	280	3·0	290	3·3	285	2·3	285	1·6	—	1·3	—	1·3	—	1·3	—	1·3	285	1·6	—	1·0	2·3	13
360	1·6	360	2·0	360	1·6	360	2·6	360	2·0	360	1·6	360	2·6	360	3·3	360	3·6	360	3·0	5	3·0	5	2·0	1·7	14
295	4·9	290	3·3	300	3·3	290	3·3	285	2·3	—	1·0	285	1·6	—	1·3	285	1·6	—	1·0	—	1·3	285	2·0	2·2	15
215	7·9	220	7·5	210	7·2	215	6·9	215	6·6	220	6·2	220	6·2	215	3·9	215	2·6	215	3·6	220	4·3	220	4·3	4·6	16
260	5·9	270	5·6	240	5·6	255	5·9	255	6·2	255	5·6	260	4·3	260	2·6	260	3·0	260	2·3	260	3·0	260	3·0	4·7	17
280	6·2	270	5·2	275	5·2	270	5·2	275	3·9	270	4·9	275	4·3	280	3·3	280	3·0	280	2·3	280	2·3	280	1·6	3·8	18
245	2·0	245	1·6	255	2·6	270	2·0	250	2·6	255	1·6	255	1·6	255	2·3	255	2·0	255	1·6	255	2·0	—	1·3	1·5	19
250	3·0	240	3·0	240	3·0	245	2·3	245	2·3	245	2·0	—	1·3	—	0·3	—	0·7	—	0·0	—	0·0	—	0·3	1·7	20
—	1·3	—	0·7	—	0·3	—	1·3	235	1·6	245	2·3	295	2·6	345	2·0	355	2·6	360	2·0	—	1·0	—	0·3	**1·0**	21
280	4·3	275	4·6	275	3·9	275	3·9	260	4·3	260	4·6	260	3·6	260	2·6	245	3·3	225	4·9	225	4·3	225	3·9	2·6	22
295	7·5	300	6·9	300	6·6	305	6·2	305	5·6	290	5·6	295	5·6	295	3·0	290	3·6	290	3·0	285	3·0	285	3·3	4·9	23
230	4·9	225	5·6	215	4·3	215	2·6	215	4·6	215	4·9	220	4·9	225	3·0	225	3·0	225	3·0	225	3·0	230	3·3	3·6	24
275	3·3	280	3·0	280	3·6	280	3·3	285	3·9	320	2·3	325	2·0	325	1·6	325	1·6	325	2·0	—	1·3	—	1·0	3·3	25
225	2·6	225	3·0	205	3·9	205	4·3	210	5·9	220	4·3	225	4·9	225	3·3	225	2·3	225	2·3	225	2·3	225	2·0	2·6	26
180	5·2	180	5·9	185	5·6	190	5·6	195	4·3	195	3·3	195	2·0	195	1·6	—	1·0	—	0·3	—	1·0	—	0·3	3·5	27
—	1·3	—	1·3	—	1·0	—	1·0	200	1·6	200	2·6	200	3·3	200	1·6	200	1·6	—	1·3	200	1·6	—	1·0	1·3	28
190	3·3	190	2·3	185	2·3	185	2·6	185	2·0	185	1·6	—	1·0	—	1·3	—	0·7	—	1·0	—	1·0	—	0·7	1·6	29
185	4·9	185	4·9	185	5·6	180	5·6	145	4·6	135	4·9	130	4·3	175	5·6	200	8·2	220	7·5	220	6·2	220	5·2	3·7	30
—	1·3	220	2·3	235	3·6	265	2·0	275	2·6	275	1·6	275	1·6	275	1·6	—	0·7	—	0·7	275	2·0	275	1·6	1·8	31
—	**4·1**	—	4·0	—	3·8	—	3·8	—	3·8	—	3·5	—	3·3	—	2·6	—	2·7	—	2·4	—	2·4	—	2·1	2·8	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Directions expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

446. Richmond (Kew Observatory) : (H_a height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	275	1·6	—	1·3	—	1·3	—	1·0	—	0·7	—	0·7	—	0·3	275	2·0	275	2·0	275	2·3	275	2·0	265	2·3
2	—	0·3	—	0·7	—	0·7	—	0·0	—	0·7	—	0·7	—	1·3	265	1·6	305	3·0	335	3·0	340	3·3	350	2·3
3	—	0·7	—	0·3	—	0·7	—	0·3	—	0·7	—	0·3	—	0·0	—	0·7	—	1·0	—	1·3	360	2·3	360	2·6
4	—	1·3	—	0·7	—	0·3	—	0·3	—	0·0	—	0·3	355	2·3	360	2·3	5	2·3	10	2·6	10	3·9	10	3·9
5	360	2·3	—	1·3	360	2·0	10	2·6	15	1·6	—	1·0	—	1·3	15	2·3	15	2·6	30	2·6	35	2·6	25	3·0
6	—	0·3	—	0·7	—	0·3	—	1·0	—	1·0	—	0·7	—	0·7	—	0·7	—	1·3	5	2·3	20	2·6	30	2·3
7	—	0·3	—	0·3	—	0·3	—	0·3	—	0·0	—	0·3	—	0·0	—	0·3	—	1·0	30	2·2	50	3·4	65	4·4
8	35	2·6	25	3·9	20	1·6	20	2·6	—	1·3	20	1·6	20	3·3	15	5·2	15	4·6	25	4·9	10	5·2	15	4·3
9	15	4·3	10	4·3	5	4·3	360	3·9	360	3·3	360	1·6	360	2·6	360	4·3	360	5·6	5	6·6	5	5·6	10	4·9
10	360	2·3	360	2·0	360	2·0	—	1·3	—	1·3	—	1·3	360	3·9	360	5·6	360	6·6	360	6·6	360	7·2	360	7·5
11	—	1·3	—	0·7	—	1·3	—	0·3	—	0·3	—	0·3	—	1·0	25	2·0	25	2·3	25	1·6	25	2·0	30	2·3
12	—	0·3	—	0·3	—	0·0	—	0·7	—	0·0	—	0·7	—	0·0	—	0·0	—	0·3	215	2·3	235	5·2	220	5·2
13	155	3·3	235	1·6	240	3·0	240	3·0	240	2·6	240	2·0	240	3·9	235	3·3	240	3·0	255	3·3	235	4·3	200	4·6
14	—	0·7	—	0·7	—	0·7	—	1·3	—	1·0	235	1·6	—	1·3	235	1·6	300	3·0	340	2·6	310	2·6	315	3·3
15	330	5·6	330	5·2	335	5·6	330	4·6	330	5·9	335	4·6	335	6·2	335	5·2	340	5·6	350	6·6	350	5·9	360	4·9
16	—	1·0	—	1·3	330	1·6	—	1·3	—	0·7	—	1·0	—	1·0	275	2·3	240	3·6	230	5·6	235	6·6	230	6·9
17	225	7·9	235	6·2	230	5·9	230	6·6	235	5·9	240	5·2	225	5·6	235	5·2	240	4·9	245	5·9	250	7·2	260	9·2
18	265	2·6	265	3·0	270	3·0	270	2·6	270	2·6	270	2·6	275	3·0	285	3·6	315	4·6	320	3·9	315	4·3	300	4·3
19	240	3·3	240	3·9	240	3·6	240	3·3	240	4·6	235	4·6	225	6·2	220	8·2	220	7·5	225	8·5	225	7·9	225	9·2
20	245	6·2	255	6·6	255	6·9	260	6·2	270	5·6	265	5·2	255	4·6	270	4·3	285	4·9	285	5·2	290	4·6	280	4·6
21	270	2·3	240	3·3	230	3·9	230	3·0	230	3·3	230	2·6	230	2·6	230	4·6	230	4·3	220	3·9	225	4·3	225	3·9
22	—	0·7	—	0·3	—	0·3	—	0·0	—	0·7	—	0·3	—	0·3	—	1·3	285	2·0	—	0·3	315	1·6	315	2·3
23	50	2·0	50	3·0	50	2·3	50	2·3	50	2·6	50	3·0	75	3·6	75	3·0	75	2·3	75	3·9	75	3·9	85	4·9
24	75	4·3	55	4·3	65	5·2	60	3·9	55	3·9	30	3·9	20	4·3	30	3·6	35	3·9	35	4·3	45	4·3	35	3·9
25	—	0·0	—	0·7	—	0·0	—	0·0	—	0·3	—	0·7	—	0·0	—	0·0	—	0·7	—	1·0	145	4·3	155	3·6
26	145	3·0	145	3·9	130	3·0	155	2·6	170	4·3	165	4·3	175	4·6	165	3·6	185	4·3	195	4·9	190	5·6	180	6·2
27	155	3·0	145	3·6	140	3·3	140	3·3	140	2·6	140	3·0	140	2·6	140	3·0	140	4·6	150	3·3	130	4·3	130	3·6
28	—	0·7	—	0·7	—	0·7	—	0·7	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·7	—	1·0	195	1·6	255	2·3
29	300	2·0	305	3·0	315	3·9	320	2·3	320	2·3	320	2·6	320	3·0	305	3·9	315	4·6	320	4·6	320	4·9	315	4·9
30	—	1·0	270	1·6	270	2·0	270	1·6	—	1·0	—	1·3	—	1·0	—	1·0	270	1·6	—	0·7	270	2·0	270	1·6
Mean ...	—	2·2	—	2·3	—	2·3	—	2·1	—	2·0	—	1·9	—	2·4	—	2·8	—	3·3	—	3·6	—	4·2	—	4·3

447. Richmond (Kew Observatory) : H_a = 5 metres + 20 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	225	4·3	240	3·3	250	3·3	250	2·3	250	2·0	250	1·6	250	1·6	250	1·6	250	2·0	—	1·3	—	1·3	—	1·3
2	—	0·7	—	0·3	—	0·3	—	0·7	—	0·7	—	1·3	—	0·3	—	0·0	—	0·7	—	0·7	—	1·0	—	0·7
3	—	0·3	—	0·3	—	1·0	—	0·3	—	0·7	—	1·0	—	0·3	—	0·0	—	0·7	275	2·3	225	3·6	230	3·3
4	240	2·6	255	1·6	255	1·6	—	1·3	250	2·6	235	3·3	240	3·3	235	3·3	235	3·3	250	2·6	250	4·3	240	3·9
5	245	3·0	245	2·6	245	2·6	245	2·3	245	3·0	245	2·0	245	3·3	245	3·9	245	3·6	250	4·9	255	5·2	265	4·3
6	—	1·0	260	1·6	280	2·0	355	2·3	360	2·0	360	2·3	360	2·6	360	3·0	360	3·0	10	4·3	30	6·2	25	7·9
7	30	3·9	30	3·9	30	3·9	30	4·6	30	3·9	30	3·6	30	4·3	35	5·2	45	7·2	55	7·9	65	6·6	50	6·6
8	15	3·6	15	3·9	15	4·3	10	4·3	10	4·3	10	3·6	10	3·6	10	3·9	10	4·3	20	4·9	15	5·9	25	6·2
9	20	2·0	20	2·0	20	1·6	20	2·3	20	2·6	20	2·6	20	3·0	20	2·6	50	4·3	45	4·3	50	4·3	50	4·3
10	55	2·0	—	0·3	55	1·6	55	2·0	55	2·3	—	1·3	55	2·3	55	2·3	55	2·3	—	1·0	50	1·6	50	3·0
11	—	0·7	—	1·0	—	1·0	—	1·0	—	1·0	—	1·0	—	1·0	—	0·7	—	0·3	—	1·3	360	2·0	275	2·0
12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·3	—	0·0	—	0·3	245	2·0	195	4·3	195	3·9
13	—	1·3	—	1·0	—	0·7	—	1·3	—	1·0	—	1·3	160	1·6	155	1·6	155	2·6	150	4·9	155	5·6	165	7·2
14	—	1·3	—	1·3	135	1·6	135	2·0	135	1·6	135	1·6	—	1·0	135	1·6	135	3·3	105	2·6	105	3·6	110	4·3
15	100	2·3	—	1·0	—	0·7	—	1·0	—	0·7	—	1·0	—	1·0	100	3·6	100	3·9	100	4·6	100	3·9	80	5·2
16	85	2·3	85	2·0	85	3·0	85	3·6	85	5·2	85	3·9	85	4·3	90	5·9	95	5·2	95	7·2	90	7·5	90	7·5
17	70	4·9	65	4·6	65	5·2	65	4·9	65	5·6	65	6·6	65	6·2	75	6·6	65	7·9	75	9·2	80	10·2	75	9·8
18	90	5·6	75	6·2	80	6·2	75	7·2	80	8·5	85	6·9	75	7·2	60	7·2	75	7·9	80	9·8	85	11·1	80	9·5
19	65	5·2	55	4·9	55	5·9	50	4·3	50	4·6	45	4·6	45	4·9	60	6·6	65	8·5	60	10·5	65	10·2	65	9·8
20	40	6·2	40	4·3	30	4·3	35	4·6	35	4·3	35	3·9	35	3·9	35	3·3	35	3·3	40	3·0	40	4·3	40	3·6
21	—	1·3	—	1·3	20	1·6	—	1·0	20	2·0	—	0·3	—	1·3	20	3·3	20	4·6	20	5·2	25	5·9	35	6·2
22	55	5·6	50	3·9	50	3·9	50	3·3	50	4·6	50	4·3	50	4·6	50	5·2	55	5·6	55	4·3	55	7·5	70	6·6
23	45	3·6	40	3·9	30	3·9	30	3·6	30	3·9	25	1·6	25	3·3	25	5·2	25	4·3	40	4·6	45	5·6	40	6·2
24	35	2·6	35	2·6	—	0·7	—	1·3	35	2·6	35	3·0	35	3·0	35	3·6	30	3·9	25	4·6	25	5·2	30	4·6
25	—	0·0	—	0·3	—	0·7	—	0·3	—	0·7	30	2·0	30	2·6	30	3·0	30	3·3	30	3·9	30	4·6	40	4·9
26	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
27	105	1·6	105	2·6	65	3·6	60	2·3	—	1·0	—	0·3	—	1·0	—	0·3	—	0·7	55	3·0	40	3·9	25	4·6
28	15	4·6	15	3·9	15	3·3	15	4·3	30	3·6	—	1·3	30	1·6	30	2·0	30	3·3	35	5·2	50	6·2	55	5·2
29	75	3·6	75	4·6	75	5·9	60	5·2	60	5·2	65	4·9	65	5·2	60	6·2	65	8·5	70	13·4	70	13·4	70	12·1
30	50	7·5	60	6·2	55	7·2	50	6·2	40	5·9	45	6·9	40	6·9	40	7·5	40	6·6	45	5·9	45	7·5	40	7·5
31	5	2·0	5	2·6	360	3·9	360	3·3	360	2·6	360	3·0	360	2·6	360	2·6	360	3·0	360	3·3	355	3·3	340	2·3
Mean ...	—	2·8	—	2·5	—	2·8	—	2·7	—	2·9	—	2·6	—	2·8	—	3·3	—	3·8	—	4·6	—	5·3	—	5·3
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

Averages for periods of sixty minutes, centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 20 metres.

September, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
245	3·0	245	3·0	260	3·0	—	1·0	—	0·7	—	1·0	—	1·3	—	1·0	—	1·0	—	0·7	—	0·7	—	0·3	—	0·7	1·4	1
355	3·9	360	3·6	65	4·9	70	2·0	—	1·0	20	2·3	—	1·0	—	1·0	—	0·3	—	0·7	—	0·3	—	0·7	1·6	2
—	1·3	350	1·6	340	2·0	—	0·7	—	0·3	—	0·7	—	0·7	—	0·7	—	0·7	—	0·3	—	1·0	—	1·0	**0·9**	3
10	3·0	5	3·3	360	3·3	360	3·3	360	3·6	360	2·0	—	1·0	—	0·3	—	1·0	360	1·6	360	1·6	360	1·6	1·9	4
360	2·0	360	2·6	360	2·0	5	3·0	5	2·3	—	0·7	—	1·0	—	1·0	—	0·0	—	0·7	—	0·3	—	0·3	1·7	5
45	2·6	80	2·6	90	1·6	90	2·0	90	2·0	90	2·6	—	1·3	95	1·6	—	0·7	—	0·0	—	0·3	—	0·0	1·3	6
35	3·9	30	4·0	20	3·4	45	3·6	25	3·0	30	2·0	70	2·3	100	2·0	—	0·7	—	0·3	75	2·3	40	3·0	1·7	7
5	3·6	5	4·9	5	5·2	10	4·3	10	4·6	15	3·6	20	3·0	20	1·6	20	2·0	—	1·3	—	0·7	20	2·6	3·3	8
10	4·9	15	4·3	10	4·6	10	5·6	10	5·6	10	5·2	10	3·9	10	2·6	5	3·0	360	3·0	360	3·9	360	3·6	4·2	9
360	7·5	360	6·9	360	8·5	360	7·5	360	7·9	5	5·9	15	5·6	25	4·9	25	3·3	25	2·0	25	1·6	—	1·0	4·6	10
10	2·3	25	2·0	55	1·6	—	1·0	10	2·6	345	1·6	—	0·7	—	0·3	—	0·3	—	0·0	—	0·0	—	0·0	1·2	11
215	5·2	200	5·6	200	5·6	205	5·9	195	4·9	170	4·6	185	5·6	170	3·9	145	5·9	150	4·6	145	5·6	145	4·9	3·1	12
195	3·9	210	4·6	210	5·2	190	4·6	195	3·3	200	3·0	230	2·0	—	1·0	—	1·0	—	0·7	—	0·7	—	0·3	2·9	13
305	3·3	290	5·2	300	4·9	325	3·3	310	3·9	285	3·6	280	4·3	330	3·9	345	4·9	335	4·6	335	5·2	330	4·9	2·9	14
5	4·3	355	4·6	345	3·3	355	3·0	5	3·0	10	2·0	—	1·0	—	1·3	—	1·0	—	0·7	—	0·3	—	1·3	3·9	15
230	7·5	230	7·2	230	6·9	225	7·2	220	7·2	225	7·5	225	6·9	225	6·6	225	7·9	225	7·2	225	8·9	225	7·5	4·9	16
260	8·9	265	8·9	265	8·5	265	7·2	255	5·9	265	4·3	260	3·9	255	3·3	255	3·3	255	3·6	260	3·6	265	3·0	5·9	17
290	3·9	275	3·9	280	3·9	265	3·6	275	2·0	275	2·0	265	3·0	260	2·3	260	2·3	260	1·6	260	2·0	240	3·3	3·1	18
225	8·5	235	6·9	235	7·2	235	5·9	230	6·9	225	5·9	235	5·9	240	4·9	240	4·9	245	6·6	235	6·9	240	5·9	**6·1**	19
275	4·9	285	3·9	265	4·3	265	3·9	265	2·6	260	2·3	265	2·6	270	2·0	270	2·3	270	2·3	270	2·3	270	2·3	4·3	20
230	4·6	215	4·9	220	4·9	225	3·6	230	3·6	230	3·3	230	1·6	—	1·3	230	1·6	—	1·0	—	1·0	—	1·3	3·1	21
340	2·6	360	1·6	360	2·6	20	3·3	25	1·6	—	1·0	25	2·6	25	4·6	30	3·3	40	3·0	45	2·3	50	3·0	1·7	22
95	4·6	95	4·6	85	4·9	85	6·6	85	6·2	90	6·9	85	6·2	85	4·9	85	5·9	80	5·9	85	6·9	80	6·2	4·4	23
30	3·3	25	2·6	55	4·3	65	3·0	65	2·0	—	1·0	—	1·3	—	1·0	—	0·0	—	0·0	—	0·3	—	0·0	3·0	24
155	3·3	150	3·9	150	3·9	135	3·9	135	4·3	130	3·0	120	3·9	120	3·6	120	4·6	120	2·6	120	3·3	135	3·3	2·2	25
185	6·6	175	4·9	175	5·9	170	4·9	170	3·0	155	2·3	155	2·6	155	3·3	155	2·3	155	2·0	155	2·0	155	2·0	3·9	26
125	4·3	110	3·6	110	3·9	110	2·0	110	2·3	—	1·0	—	1·0	—	0·7	—	0·0	—	1·0	—	0·3	—	0·3	2·6	27
255	2·3	255	2·0	255	2·0	255	1·6	255	1·6	255	1·6	255	2·3	300	2·3	—	1·3	315	1·6	310	2·0	300	2·3	1·3	28
325	5·2	310	4·3	310	4·6	315	4·3	305	3·3	—	1·3	305	1·6	—	1·0	305	1·6	—	1·0	—	1·3	—	1·0	3·1	29
240	2·6	240	3·0	230	3·0	230	3·0	210	3·3	210	1·6	225	2·6	205	3·6	200	3·3	200	3·3	205	4·3	210	5·2	2·2	30
—	4·3	—	4·2	—	**4·3**	—	3·8	—	3·5	—	2·9	—	2·8	—	2·4	—	2·3	—	2·1	—	2·4	—	2·4	2·9	

October, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
—	1·0	—	0·3	—	1·0	250	1·6	250	1·6	250	1·6	270	1·6	—	1·3	—	1·0	305	1·6	—	1·3	—	1·3	1·8	1
—	0·7	305	1·6	—	1·0	—	0·7	—	1·3	—	1·3	—	0·7	—	0·3	—	1·0	—	1·3	—	0·0	—	0·7	**0·7**	2
245	2·0	245	2·0	245	2·6	245	2·0	245	2·3	245	2·0	225	3·3	220	2·3	220	2·3	220	2·6	220	2·3	240	3·0	1·7	3
240	3·9	240	3·0	225	3·9	240	3·6	230	3·9	230	3·9	230	4·3	235	4·6	230	4·3	235	3·0	245	3·3	245	2·3	3·3	4
260	3·9	260	3·3	260	3·9	260	3·6	245	3·6	240	2·6	240	2·6	240	2·0	—	1·3	—	1·0	—	0·3	—	0·3	2·9	5
30	6·9	35	7·5	35	6·9	40	6·6	35	5·6	40	3·9	30	4·9	30	3·9	30	3·9	30	4·3	30	3·6	30	3·0	4·1	6
40	6·2	45	5·2	35	5·2	20	5·6	30	5·2	30	4·6	30	4·6	30	3·6	30	3·6	30	3·3	30	3·9	20	4·6	4·9	7
10	5·6	15	5·6	10	5·6	10	4·3	15	4·3	15	3·0	15	3·3	15	3·3	15	3·6	15	3·9	20	3·6	20	3·0	4·3	8
45	3·9	45	3·6	35	3·9	25	3·0	20	2·6	20	1·6	55	2·6	70	3·0	70	2·3	65	2·3	—	1·3	—	1·0	2·8	9
50	3·0	50	2·6	40	3·9	50	3·0	60	3·6	65	2·6	65	2·0	65	2·0	65	2·0	65	1·6	65	2·0	—	1·3	2·1	10
255	2·0	280	2·3	275	1·6	—	1·0	—	0·0	—	0·0	—	0·0	—	1·0	—	0·0	—	0·0	—	0·0	—	0·3	0·9	11
205	4·6	195	4·9	200	4·3	195	3·3	195	2·6	195	1·6	195	2·0	—	1·3	—	1·3	—	0·3	—	0·7	195	1·6	1·6	12
165	6·9	170	5·9	165	4·6	150	3·6	140	3·3	135	2·6	135	3·0	—	1·3	135	1·6	—	1·3	—	0·7	—	1·3	2·8	13
115	4·3	120	3·9	120	3·6	135	3·3	140	2·6	145	2·0	105	2·6	100	2·3	100	2·0	—	1·3	—	1·3	100	2·6	2·4	14
85	6·9	90	6·6	95	7·5	95	5·9	95	6·2	85	5·6	85	6·2	85	4·6	85	3·9	85	3·6	85	2·6	85	3·6	3·8	15
90	6·9	90	7·2	85	8·5	80	6·2	90	5·2	80	4·6	70	5·9	70	5·2	75	5·6	75	3·6	80	5·2	75	5·6	5·3	16
75	10·8	75	9·5	75	9·5	65	8·9	75	8·9	65	7·9	65	8·2	65	7·2	70	9·5	75	8·9	85	8·5	90	6·2	7·7	17
70	10·5	70	9·5	75	9·5	70	8·9	70	8·2	65	6·9	60	6·2	55	4·6	60	4·9	70	4·9	60	5·9	60	4·6	7·4	18
65	9·2	60	9·2	55	9·5	60	7·9	45	8·5	50	6·9	45	6·6	45	6·6	45	5·9	50	5·9	35	5·2	35	4·6	6·9	19
40	3·9	35	3·6	25	3·9	20	3·6	20	3·0	20	3·0	20	3·0	20	2·6	20	4·6	20	3·6	20	4·6	20	2·0	3·8	20
40	6·9	40	7·2	40	6·9	40	5·9	55	7·9	65	6·9	60	5·6	55	5·6	60	6·2	55	6·9	65	5·9	60	5·2	4·6	21
60	6·9	45	6·2	45	6·2	55	4·9	70	3·9	80	3·0	65	3·3	50	3·9	50	3·0	50	3·3	50	3·6	50	3·0	4·7	22
35	6·2	30	5·9	30	4·9	30	5·6	40	5·2	40	4·6	35	4·9	35	3·6	35	3·3	35	2·0	35	2·0	—	1·3	4·2	23
35	5·2	40	4·6	30	4·3	30	3·0	30	2·0	30	2·3	30	2·0	30	2·3	30	2·3	—	1·3	—	0·3	—	0·3	2·8	24
35	3·9	35	3·6	35	4·6	40	3·0	50	3·0	50	2·3	50	1·6	—	0·3	—	0·7	—	0·3	—	1·3	—	1·3	2·2	25
70	3·9	85	5·2	90	7·9	100	7·2	105	4·3	105	2·6	105	3·0	105	1·6	—	0·3	—	0·3	—	1·3	—	1·3	1·6	26
30	4·9	20	4·6	10	5·2	10	5·9	10	4·6	15	2·6	15	4·6	15	3·9	15	3·0	15	3·6	15	3·3	15	3·6	3·1	27
50	7·2	40	5·2	55	6·9	65	3·9	65	2·3	65	4·6	65	3·9	65	3·9	75	3·9	75	2·0	—	1·3	75	3·3	3·9	28
65	11·1	60	10·8	60	10·8	55	9·2	55	9·2	50	8·2	65	10·2	65	9·5	70	9·8	65	8·5	55	7·9	50	6·6	**8·3**	29
40	7·9	50	6·9	45	7·2	40	5·6	45	5·9	35	5·2	30	4·9	25	3·9	15	4·9	15	3·3	15	4·6	5	2·6	6·1	30
320	3·0	295	2·6	255	3·6	260	1·6	—	1·3	265	1·6	265	2·0	—	1·3	265	2·0	—	1·3	—	1·3	255	2·3	2·4	31
—	**5·5**	—	5·2	—	5·5	—	4·6	—	4·2	—	3·6	—	3·9	—	3·3	—	3·3	—	2·9	—	2·9	—	2·7	3·7	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

448. Richmond (Kew Observatory) : H_a (height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	1·3	220	2·3	215	2·3	215	3·0	200	5·6	200	6·9	195	8·9	195	9·5	195	10·5	195	11·8	195	11·1	195	10·2
2	295	3·6	295	2·6	295	3·3	290	3·0	290	3·3	280	3·9	280	2·3	280	2·3	270	3·3	275	4·3	280	5·6	275	4·9
3	—	1·3	—	0·7	—	0·7	—	0·3	—	1·0	—	1·3	—	1·3	—	1·3	—	1·0	—	1·3	265	2·6	265	2·3
4	—	1·3	15	2·3	340	2·6	340	2·6	335	5·2	345	4·9	345	5·9	360	4·9	340	4·6	325	3·9	325	5·6	320	5·2
5	300	1·6	—	1·0	300	1·6	300	1·6	—	0·0	—	0·0	—	0·0	—	0·0	—	0·3	—	0·3	—	1·3	300	1·6
6	195	7·9	190	7·5	190	6·9	190	5·6	190	7·2	190	6·2	180	5·9	180	4·3	190	5·6	225	8·5	225	9·2	220	8·9
7	245	4·6	245	3·3	245	3·3	245	3·0	245	3·9	250	3·9	260	4·3	270	4·9	270	5·2	280	5·9	280	5·2	285	5·2
8	260	3·0	260	2·0	260	2·0	—	1·3	—	1·0	—	0·7	—	0·7	—	0·3	—	1·3	—	0·7	—	0·7	—	1·0
9	—	1·3	—	1·0	260	1·6	260	2·3	260	2·3	260	2·0	—	1·0	—	1·0	—	1·0	—	1·0	260	1·6	260	1·6
10	215	2·0	190	3·0	190	3·9	190	3·0	185	4·9	185	4·9	185	4·9	185	6·9	190	7·2	190	8·2	190	7·9	190	7·2
11	—	0·7	—	1·0	—	1·0	—	1·0	210	1·6	—	0·7	—	1·3	—	1·0	—	0·7	—	0·3	—	1·3	210	1·6
12	—	0·7	—	1·0	—	0·7	—	1·0	—	0·7	—	1·0	—	1·0	—	0·7	—	0·3	—	1·0	—	1·3	—	1·3
13	—	0·3	—	0·7	—	0·7	—	0·7	—	1·3	—	1·0	—	1·0	—	0·3	—	1·3	360	2·6	360	1·6	—	0·7
14	—	0·0	—	0·7	—	0·7	—	0·7	—	0·3	—	0·7	—	0·7	—	0·7	—	1·0	—	0·7	—	1·3	—	1·0
15	—	1·3	—	0·7	—	0·7	—	0·7	—	1·0	—	0·3	—	0·7	—	1·0	—	0·7	—	1·0	—	0·3	5	1·6
16	—	1·0	—	0·7	—	1·0	—	0·0	—	1·0	—	0·7	—	1·3	50	1·6	—	0·3	—	1·0	50	1·6	335	2·0
17	285	2·0	305	3·0	340	3·0	350	1·6	350	2·0	—	1·0	—	1·0	—	1·3	—	1·3	—	1·3	320	2·0	315	2·0
18	315	2·3	—	1·3	—	1·3	315	2·6	315	3·6	315	3·3	315	3·3	315	2·0	315	2·3	320	5·6	345	4·6	350	3·3
19	—	1·0	—	1·0	5	1·6	—	1·3	—	1·0	—	1·0	—	1·0	5	1·6	5	2·3	5	2·0	5	1·6	5	1·6
20	355	2·0	—	1·3	315	1·6	—	0·7	—	1·3	—	1·0	—	1·0	—	1·0	315	1·6	315	1·6	—	0·7	—	1·0
21	—	1·0	—	1·0	—	1·0	—	0·7	—	0·0	—	0·0	—	0·3	—	0·0	—	0·0	—	0·3	—	0·3	—	0·0
22	—	0·3	—	0·0	—	0·3	—	0·3	—	0·0	—	0·7	—	0·3	—	0·3	—	1·3	315	2·0	—	0·7	—	0·7
23	—	0·3	—	0·3	—	0·7	—	1·3	—	0·3	—	0·7	—	0·7	—	1·0	—	1·3	140	1·6	180	2·0	—	1·3
24	—	1·3	205	2·6	205	2·0	—	1·0	205	2·0	205	1·6	205	2·0	—	1·3	205	1·6	205	2·3	275	2·0	335	3·6
25	—	0·7	—	0·7	—	0·3	—	0·7	—	0·7	—	0·3	—	0·0	—	0·0	—	0·0	—	1·3	—	1·3	25	1·6
26	—	0·3	—	0·0	—	0·0	—	0·0	—	0·7	255	2·0	255	1·6	255	2·3	255	2·6	260	3·9	270	4·6	270	4·9
27	350	3·6	350	3·6	350	3·9	350	3·0	350	2·6	350	2·0	—	1·0	350	1·6	350	2·6	345	2·3	345	3·9	340	4·6
28	335	2·3	295	2·3	275	2·6	265	2·6	255	3·0	255	2·6	255	2·0	255	3·9	270	5·6	285	4·9	295	5·6	300	5·2
29	280	4·3	285	2·6	275	3·0	270	3·0	275	3·3	275	2·6	285	3·9	295	3·0	295	3·6	315	5·2	305	4·6	305	4·3
30	—	1·3	—	1·0	—	0·3	240	1·6	—	1·3	—	1·3	—	1·0	—	1·0	—	1·3	—	1·3	—	1·0	—	1·3
Mean ...	—	1·8	—	1·7	—	1·8	—	1·7	—	2·1	—	2·0	—	2·0	—	2·0	—	2·4	—	2·9	—	3·1	—	3·1

449. Richmond (Kew Observatory) : H_a = 5 metres + 20 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	230	5·6	225	5·6	225	4·9	230	5·6	240	4·9	240	3·0	240	2·3	240	2·3	245	3·0	255	3·9	275	4·3	290	3·3
2	310	1·6	310	1·6	310	3·0	310	1·6	310	1·6	310	2·3	310	2·0	310	1·6	310	1·6	—	1·0	315	1·6	315	2·0
3	—	1·3	—	1·0	330	1·6	330	1·6	—	1·0	330	1·6	330	1·6	330	1·6	—	1·0	—	1·3	—	1·3	—	1·0
4	—	1·0	—	0·7	—	1·0	—	1·0	—	1·0	—	1·3	—	1·0	—	1·0	—	1·3	—	1·0	—	0·7	330	2·0
5	—	1·3	310	2·0	310	2·0	310	2·0	310	2·3	310	1·6	310	2·0	300	2·3	255	3·0	260	2·0	265	3·0	275	3·6
6	310	7·9	315	6·9	315	7·9	315	7·2	320	6·9	320	6·9	320	6·9	325	5·9	315	6·6	310	7·5	310	6·2	310	6·2
7	340	3·9	340	2·3	340	1·6	—	1·0	340	2·3	—	1·3	—	1·3	—	1·3	340	1·6	335	1·6	300	2·6	290	3·3
8	325	5·9	325	3·9	325	3·9	325	3·3	325	3·3	340	3·3	15	3·0	20	2·0	20	2·0	—	1·0	—	1·0	—	1·0
9	—	0·7	—	0·7	—	0·3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·3
10	20	2·0	15	2·3	15	1·6	15	2·0	15	2·6	15	1·6	15	2·6	15	1·6	15	2·0	5	2·3	—	1·3	5	2·3
11	—	0·7	—	1·0	—	1·3	—	1·3	—	1·3	—	1·0	360	1·6	—	1·3	—	1·0	—	1·3	290	2·0	260	2·3
12	220	2·6	220	2·6	220	3·6	205	3·9	200	3·6	200	3·9	200	5·2	200	5·6	210	5·9	210	6·6	210	6·6	200	6·9
13	215	6·6	215	6·2	215	6·2	220	6·6	220	7·9	220	6·9	225	7·9	225	6·6	225	7·9	225	6·9	225	6·9	230	5·9
14	225	4·9	225	4·6	225	5·6	225	4·3	225	5·2	225	3·9	220	4·6	220	5·9	215	4·9	215	6·6	215	5·9	210	4·6
15	235	3·0	230	3·9	225	3·6	225	2·0	225	3·0	225	1·6	—	1·0	—	1·0	—	0·3	—	0·3	—	0·7	—	1·3
16	225	2·0	225	2·6	225	3·0	225	2·0	225	2·3	215	3·3	210	6·2	220	6·2	220	6·2	220	6·2	225	7·5	230	8·2
17	205	2·0	210	2·3	235	3·6	245	4·3	250	3·0	250	3·3	250	3·3	250	3·6	250	3·9	250	3·6	260	3·9	255	3·6
18	130	2·3	—	1·3	—	1·3	—	0·7	—	1·0	—	0·7	—	1·3	315	2·0	280	2·0	—	1·0	275	2·6	250	3·3
19	205	3·9	210	3·6	230	3·3	245	3·6	230	4·3	220	5·6	220	4·6	220	5·2	220	6·2	220	6·6	235	6·2	230	5·6
20	185	3·6	160	4·6	145	6·9	120	7·2	130	6·6	155	7·5	170	10·5	175	11·5	185	9·2	240	10·5	250	9·8	255	9·2
21	240	4·3	245	3·9	245	3·6	245	3·9	250	3·3	250	3·3	250	3·9	245	4·6	240	5·2	220	5·9	220	4·6	215	4·3
22	200	9·2	205	6·9	205	7·2	215	7·5	215	7·2	215	4·3	210	5·6	210	5·9	205	5·2	200	6·9	205	8·5	205	8·9
23	190	9·2	190	9·8	190	10·5	200	9·5	210	8·5	215	6·2	220	7·2	230	5·2	230	4·9	230	4·9	240	4·9	245	5·2
24	235	4·6	235	3·3	245	3·6	245	4·3	245	2·6	245	3·0	245	2·6	245	3·0	245	3·0	245	3·3	245	3·0	250	3·6
25	—	1·0	—	1·3	240	3·3	220	3·3	205	4·3	205	3·9	200	4·9	200	5·6	210	7·2	215	9·2	210	11·1	215	10·5
26	250	3·3	250	2·3	250	2·6	250	3·0	250	2·6	250	3·3	250	4·3	250	4·3	245	3·9	240	2·6	240	4·3	240	3·6
27	235	3·9	230	3·9	225	3·0	225	3·0	225	3·6	215	5·2	205	5·9	210	5·9	200	5·6	200	7·5	200	7·9	200	7·2
28	240	4·6	240	4·3	245	4·6	250	4·9	255	4·6	255	4·3	255	3·3	245	3·6	245	3·3	240	3·3	240	4·6	230	3·6
29	175	2·0	205	4·3	230	6·2	250	5·6	240	5·9	245	4·9	245	4·6	245	5·2	245	4·6	245	3·6	240	4·3	240	5·2
30	225	10·8	240	9·5	245	6·9	245	6·6	245	7·5	240	6·6	240	7·9	235	6·6	230	7·2	225	10·8	225	9·8	225	8·2
31	295	2·0	—	1·0	—	0·3	—	1·3	295	2·0	295	2·6	310	3·3	315	2·6	315	3·6	315	3·6	315	3·6	330	2·3
Mean ...	—	3·8	—	3·5	—	3·8	—	3·7	—	3·7	—	3·5	—	3·9	—	3·9	—	4·0	—	4·3	—	4·5	—	4·5
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

Averages for periods of sixty minutes, centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 20 metres.

November, 1922.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
205	10·2	210	7·5	220	6·9	225	6·6	305	5·6	335	4·6	315	5·2	310	4·6	305	4·3	300	3·0	300	2·6	300	3·9	6·1	1
280	4·6	285	3·0	270	3·6	255	2·6	265	3·0	245	3·6	235	3·6	235	2·6	235	2·0	235	2·3	275	2·3	270	2·0	3·3	2
245	3·0	165	2·0	165	2·0	165	2·0	165	1·6	—	1·0	—	1·3	—	1·3	165	1·6	—	1·0	165	1·6	35	2·3	1·5	3
320	5·6	310	6·2	315	5·9	305	4·3	300	3·6	300	2·6	300	1·6	300	1·6	300	1·6	300	2·6	300	2·0	—	1·3	3·7	4
230	4·3	205	2·6	205	4·3	200	3·3	200	4·6	205	3·6	210	3·0	205	3·0	195	5·6	190	5·2	190	6·9	195	7·5	2·5	5
220	9·5	225	7·5	240	6·6	245	4·3	240	5·9	235	5·9	235	6·6	245	5·6	245	6·9	245	5·9	235	5·2	235	4·6	**6·7**	6
295	6·9	300	3·9	300	3·3	285	4·3	285	3·0	280	3·3	280	3·6	290	2·6	285	3·0	260	2·3	260	2·6	260	3·0	4·0	7
—	0·7	—	0·3	—	0·3	—	1·3	260	1·6	—	1·3	—	1·3	—	0·7	—	1·0	—	1·3	—	1·3	—	1·0	1·2	8
285	2·0	—	1·3	—	0·3	—	0·3	—	0·3	—	0·7	—	1·0	—	0·7	—	1·0	245	2·3	220	1·6	—	0·3	1·2	9
185	7·2	185	7·5	185	6·6	190	5·6	190	5·6	195	4·6	210	4·6	210	3·6	210	3·3	210	1·6	—	1·0	—	1·0	4·8	10
325	2·6	350	2·6	360	2·0	—	1·0	—	0·3	—	0·3	—	0·3	—	1·0	—	1·3	—	0·3	—	0·7	—	0·7	1·1	11
—	0·3	—	0·3	—	0·0	—	0·7	—	0·0	—	0·7	—	0·7	—	0·7	—	0·7	—	0·7	—	0·0	—	0·7	0·7	12
—	0·3	—	0·0	—	0·3	—	0·0	—	0·0	—	0·0	—	0·7	—	0·7	—	0·3	—	1·0	—	0·0	—	0·0	0·7	13
—	1·0	—	1·3	—	1·0	—	0·7	—	0·7	—	1·0	—	0·7	—	0·7	—	0·7	—	1·3	—	0·7	—	1·3	0·8	14
50	3·3	50	3·3	50	3·3	—	1·3	—	1·3	—	1·0	—	1·0	50	2·0	—	1·3	—	0·7	—	1·0	—	0·3	1·3	15
320	1·6	255	1·6	250	2·0	255	1·6	255	2·0	255	2·0	255	2·3	—	1·0	—	1·3	—	1·0	—	1·3	260	2·0	1·3	16
315	2·3	315	2·0	315	2·3	315	2·6	315	3·0	315	1·6	—	1·3	—	1·3	—	1·3	—	1·0	315	1·6	315	2·0	1·8	17
345	4·3	350	3·9	350	4·6	360	3·3	360	3·0	5	2·6	5	3·9	5	3·3	5	2·3	5	1·6	5	1·6	5	1·6	3·0	18
5	1·6	—	1·3	5	2·0	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	—	0·7	—	1·0	5	2·0	—	1·3	1·4	19
—	1·0	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	—	1·0	—	0·7	—	0·7	—	1·3	—	0·7	—	0·7	1·2	20
—	0·3	—	0·3	—	0·7	—	0·0	—	0·3	—	0·3	—	0·0	—	0·3	—	0·7	315	2·3	315	1·6	—	0·3	**0·5**	21
—	0·3	315	2·3	—	1·0	—	0·7	—	0·3	—	0·3	—	0·0	—	0·0	—	0·0	—	1·0	—	0·3	—	0·0	**0·5**	22
195	1·6	200	1·6	205	2·3	205	1·6	—	1·3	—	1·3	205	2·0	205	1·6	—	1·3	205	2·0	—	1·3	—	1·3	1·3	23
350	3·6	5	2·3	20	3·3	25	3·9	25	2·3	25	1·6	25	2·3	25	3·0	25	3·0	25	3·0	25	3·3	—	1·3	2·3	24
25	1·6	325	1·6	325	1·6	—	1·3	325	1·6	—	1·0	325	2·0	325	2·3	295	1·6	—	0·7	—	0·3	—	0·7	1·0	25
290	7·5	285	5·9	300	6·6	15	3·9	20	3·0	10	3·6	360	4·9	360	3·9	355	3·6	350	3·3	350	3·6	350	3·6	3·1	26
330	3·3	330	3·9	335	2·6	335	2·0	—	1·0	—	1·3	335	1·6	—	1·3	335	1·6	335	1·6	—	1·3	335	1·6	2·5	27
310	5·9	310	4·9	315	5·6	310	5·6	305	6·2	300	5·2	305	3·6	315	3·9	300	3·6	285	3·9	280	3·9	280	4·6	4·1	28
315	5·2	320	4·3	320	4·9	320	3·3	320	2·0	315	2·3	305	2·3	290	2·3	290	2·6	—	1·3	290	1·6	—	1·0	3·3	29
—	1·0	—	1·3	230	2·3	225	2·6	225	3·6	235	3·3	225	3·3	220	3·6	220	3·9	220	3·6	220	4·6	225	4·9	2·1	30
—	**3·4**	—	2·9	—	3·0	—	2·4	—	2·3	—	2·1	—	2·2	—	2·0	—	2·1	—	2·0	—	1·9	—	1·9	2·3	

December, 1922.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
295	4·9	295	3·9	315	2·0	320	2·0	310	2·3	310	3·0	310	3·9	310	2·0	310	2·6	310	2·0	310	2·0	310	2·0	3·5	1
315	2·3	315	2·0	315	2·3	—	1·3	315	1·6	315	2·3	315	2·0	315	2·0	—	1·3	—	1·3	315	3·3	325	2·0	1·9	2
—	0·7	—	1·3	—	1·3	—	1·0	—	1·3	—	0·7	—	0·7	—	0·7	—	1·3	—	1·0	—	0·7	—	0·3	1·2	3
330	2·6	330	2·0	330	2·0	330	1·6	—	1·3	330	1·6	330	2·0	330	2·0	330	1·6	330	1·6	330	2·0	330	1·6	1·4	4
275	3·9	270	3·3	265	3·3	255	3·6	260	4·9	275	5·6	275	5·2	285	5·6	265	5·2	275	5·9	290	6·6	310	7·5	3·5	5
310	7·2	310	6·9	310	6·6	320	5·9	330	5·6	330	4·9	330	4·6	335	3·6	335	4·3	335	3·9	340	3·6	340	2·6	6·1	6
285	4·3	285	5·9	290	5·9	290	5·9	295	5·2	295	4·9	295	5·2	275	4·6	285	4·6	295	4·9	300	4·9	315	5·6	3·5	7
—	1·0	—	1·0	—	1·3	20	2·6	20	2·3	—	1·3	—	0·3	20	1·6	—	1·0	—	0·3	—	0·7	—	0·3	2·1	8
—	1·0	—	1·3	—	1·0	—	1·0	—	1·3	—	1·3	—	1·3	—	1·3	—	1·0	—	0·7	20	1·6	20	2·0	**0·7**	9
360	2·6	360	1·6	360	2·0	360	2·0	360	1·6	360	2·0	360	1·6	—	1·0	360	1·6	360	1·6	360	1·6	—	1·0	1·9	10
230	2·6	230	2·0	—	1·3	—	1·0	—	1·3	—	1·3	230	1·6	230	2·0	230	3·0	230	2·6	220	3·0	220	2·6	1·7	11
210	7·2	205	4·9	215	5·9	215	4·9	205	4·9	210	6·6	215	6·9	205	6·6	215	7·2	215	5·6	220	5·9	220	6·2	5·3	12
215	6·2	215	5·2	225	6·2	220	5·6	215	6·2	215	4·3	210	4·6	215	6·2	215	5·6	220	6·6	220	5·6	225	4·9	6·3	13
215	5·9	215	5·6	210	5·9	210	4·9	200	3·6	210	4·3	220	4·3	220	3·0	220	3·0	215	4·3	230	4·3	235	2·0	4·7	14
—	1·3	—	0·3	—	1·3	225	2·3	—	1·3	—	1·3	225	2·3	225	1·6	225	1·6	—	1·3	—	1·3	—	1·3	1·6	15
235	7·5	240	7·5	245	7·2	255	4·6	250	4·9	250	3·9	250	3·0	250	3·0	250	2·6	250	1·6	220	3·3	205	2·0	4·4	16
250	4·3	240	3·6	240	2·3	240	2·0	215	2·6	200	2·0	170	3·6	160	3·3	145	3·3	130	3·3	130	3·6	130	4·3	3·2	17
245	3·0	230	3·9	225	3·3	225	3·6	225	3·3	225	3·0	225	3·0	220	3·0	215	3·3	200	3·6	205	4·9	200	3·9	2·6	18
235	6·2	230	7·2	225	5·9	220	7·2	215	6·2	220	5·2	215	3·9	210	3·3	210	4·6	210	3·9	205	3·0	205	3·3	5·0	19
260	9·8	260	8·2	255	7·5	245	6·9	240	6·6	240	5·6	235	6·2	235	6·2	235	5·9	235	5·2	235	4·9	240	4·3	7·2	20
205	6·6	210	7·9	205	8·9	195	8·5	190	10·5	190	9·5	185	10·8	190	10·5	185	10·8	185	11·1	195	11·5	200	10·2	6·9	21
220	9·5	220	7·2	200	8·9	205	7·2	200	6·9	200	5·9	200	8·5	195	6·2	195	7·2	195	7·5	190	8·2	195	7·9	**7·8**	22
245	5·9	240	5·2	240	3·9	265	3·3	270	2·3	240	3·6	240	4·6	240	4·9	240	4·9	235	4·6	235	4·3	235	5·2	5·8	23
255	3·3	240	3·0	240	3·0	240	2·3	240	2·6	240	1·6	240	1·6	240	2·0	240	1·6	—	1·3	—	1·3	240	1·6	2·8	24
215	10·2	210	9·2	210	10·2	210	8·9	220	6·2	235	5·6	240	6·6	230	5·9	230	7·2	245	4·6	240	5·6	250	4·9	6·2	25
245	4·3	255	4·9	245	3·6	245	2·6	245	2·6	245	1·6	245	3·0	245	3·0	245	3·3	240	3·0	240	3·0	240	3·9	3·3	26
205	6·2	195	7·9	210	9·5	260	4·6	250	4·3	255	3·6	250	3·6	250	3·6	235	4·6	230	5·2	235	5·2	245	4·3	5·2	27
235	5·2	235	3·6	240	3·3	240	3·0	215	3·0	200	3·3	195	3·6	195	4·3	185	5·6	170	5·6	160	5·2	175	4·3	4·1	28
245	5·6	220	5·9	225	4·6	225	4·6	210	5·6	215	6·6	215	5·6	200	5·2	195	7·5	200	8·2	205	9·5	225	8·9	5·5	29
230	9·2	225	7·2	230	7·5	230	5·9	220	6·2	225	4·9	230	2·0	—	0·7	—	1·0	220	2·6	—	1·0	—	1·0	6·3	30
325	3·9	325	3·9	325	3·3	325	2·6	325	2·3	325	3·0	325	3·0	325	2·0	325	2·0	325	3·3	330	3·0	340	3·3	2·6	31
—	**5·0**	—	4·6	—	4·5	—	4·0	—	3·9	—	3·7	—	3·8	—	3·6	—	3·9	—	3·8	—	4·0	—	3·7	4·0	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

450. Richmond (Kew Observatory) : H_a = 5 metres + 20 metres. **1922.**

Day.	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.
	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.
1	16	14 25	9	14 15	**25**	2 30	16	9 45	11	12 50	9	18 10	15	14 10	12	12 10	6	14 5	8	2 10	**20**	10 5	9	3 4
2	**20**	6 25	15	16 40	12	12 5	8	14 15	6	14 50	7	21 5	17	16 25	7	17 5	9	14 55	3	14 10	10	11 10	5	18
3	15	13 5	14	15 30	14	23 50	15	6 40	12	13 50	8	11 35	13	13 10	10	15 45	5	11 45 14 25	7	23 50	5	23 50	4	14 1
4	19	11 0	10	13 25	17	2 35	13	0 25	17	16 5	6	20 15	13	12 45	4	16 30	7	16 15	8	18 10	13	14 15		
5	14	2 55	11	6 5	22	19 5	8	19 10	**21**	10 10	5	18 45	17	21 5	8	13 35	5	0 55	9	12 40	12	23 55		
6	6	1 35	6	10 10	16	0 25	7	2 15	11	15 35	11	16 5	**23**	3 25	12	19 55	6	17 30	14	13 50	16	12 30		
7	9	11 35	10	13 45	23	4 25	11	17 25	7	15 5	14	14 55	14	10 45	11	12 10	9	12 15	15	9 55	13	12 45		
8	13	12 20	9	13 5	22	17 40	12	19 45	9	12 30	13	10 45	18	14 10	11	18 20	9	15 40	11	11 45	5	0 55		
9	15	22 5	11	12 10	10	12 50	9	16 40	7	17 10	9	12 20	16	11 25	11	13 55	11	16 30	10	12 0	4	5 45		
10	14	0 50	7	1 20	14	10 45	9	15 45	9	8 15	10	17 20	7	12 30	6	12 25	15	15 25	8	14 50	14	10 45		
11	16	18 25	12	19 5	5	13 25	7	10 35	11	19 45	9	10 35	6	12 35	10	13 20	6	13 30	5	15 20	5	13 40		
12	13	11 45	11	10 30	9	21 45	17	20 0	13	16 30	7	21 45	7	14 25	14	19 10	12	19 20	9	13 30	3	11 40		
13	3	21 45	9	11 40	18	21 40	15	2 45	9	10 25	15	11 35	10	16 15	7	12 0	10	14 55 15 0	12	11 55	5	9 40		
14	5	12 25	5	15 20	14	1 25	17	15 15	10	14 45	15	8 35	6	10 50	7	20 10	11	19 20	7	13 55	2	14 35		
15	15	17 0	13	11 25	12	0 10	**23**	17 10	9	14 5	9	11 25	10	17 0	9	13 25	12	10 0	10	16 20	6	12 45		
16	14	0 45	9	17 35	8	0 40	16	0 50	13	15 0 17 40	6	11 30	15	19 15	13	11 50	14	23 10	12	9 50	5	18 25		
17	9	3 10	13	10 5	9	21 5	13	11 25	13	17 5	11	16 20	9	13 5	13	12 40	**18**	14 0	17	21 25	6	16 35		
18	11	18 20	15	4 15	11	20 50	14	15 15	13	13 45	9	7 45	11	8 15	12	18 5	9	8 50	17	16 5	9	15 20		
19	17	11 20	13	20 40	9	21 10	13	10 40	15	14 15	10	15 50	9	12 5	6	10 25	15	12 30	20	10 5	4	9 10		
20	9	20 5	15	12 45	15	17 10	7	11 10	8	14 0	11	12 10	9	10 35	6	10 15	15	3 15	13	1 20	4	9 40		
21	15	9 40	18	8 25	18	15 5	6	20 35	10	17 40	11	17 55	10	13 10	5	20 55	10	14 15	14	14 5	4	22 35		
22	9	21 55	14	11 25	19	11 5	11	16 50	11	14 25	13	12 5	7	13 45	10	16 55	9	20 30	12	13 25	5	13 50		
23	17	19 0	15	5 10	16	8 45	15	17 20	9	15 0	12	14 30	7	13 0	14	13 0	12	17 55	11	11 40	4	14 45		
24	17	8 55	15	19 15	11	22 40	18	14 10	6	14 25	15	13 55	10	4 15	11	13 25	8	15 5	10	12 45	9	11 50		
25	15	5 5	14	23 45	12	16 20	15	9 55	9	14 20	**18**	13 25	8	13 15	10	9 10	9	11 20	9	11 55	4	23 40		
26	10	23 30	**18**	10 35	10	21 30	14	2 20	10	11 45	10	12 0	11	13 10	9	17 30	12	12 30	11	15 50	14	15 15		
27	12	19 0	17	14 55	13	13 40	9	12 10	7	12 25	13	17 25	6	17 25	10	15 35	7	9 50	12	15 25	7	11 50		
28	10	20 15	18	6 20	14	14 15	7	11 5	7	15 40	12	1 55	5	12 25	5	18 25	5	19 25	13	15 20	12	17 25		
29	8	0 10	—	—	9	13 45	6	19 5	7	11 35	17	15 0	13	14 50	6	12 55	11	11 15	**22**	11 20	12	10 5		
30	6	11 15	—	—	7	11 50	7	8 5	5	18 35 18 45	13	12 10	8	0 25	**15**	21 5	9	23 15	16	14 50	9	24 0		
31	8	14 10	—	—	15	22 20	—	—	7	17 50	—	—	13	14 35	9	15 0	—	—	6	14 15	—	—		

Dines' Tube instrument out of action from December 4th to the end of the year.

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES TUBE ANEMOGRAPH.

451. Richmond (Kew Observatory) : H_a = 5 metres + 20 metres. **1922.**

Month.	DISTRIBUTION OF WIND.								EXTREME VELOCITIES.					
	More than 17·1 m/s.		10·8 to 17·1 m/s.		5·5 to 10·7 m/s.	1·6 to 5·4 m/s.	Less than 1·6 m/s.	No Record	Highest Hourly Wind				Highest Gust.	
	Dates of Occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration	Veer from N.	Speed.	Mid. Time.		Speed.	Date.
		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hour.	m/s.	d. h. m.
Jan.	—	0	0	0	235	368	141	0	90	11	24	9	20	2 6 25
Feb.	—	0	0	0	234	368	70	0	180	10	26	11	18	26 10 35
Mar.	—	0	4	17	279	371	77	0	210	13	1	3	25	1 2 30
April	—	0	1	8	175	357	180	0	190	13	15	17	23	15 17 10
May	—	0	0	0	76	403	265	0	255	10	5	10	21	5 10 10
June	—	0	0	0	117	480	123	0	105	9	7	16	18	25 13 25
July	—	0	1	1	125	444	174	0	200	11	6	3	23	6 3 25
Aug.	—	0	0	0	72	427	245	0	70 225	8	6 16	11 13	15	30 21 5
Sept.	—	0	0	0	73	406	241	0	260	9	17	14	18	17 14 0
Oct.	—	0	2	5	140	416	183	0	80	13	29	11	22	29 11 20
Nov.	—	0	0	0	46	318	356	0	210	10	1	10	20	1 10 5
Dec.*	—	0	4	8	196	411	129	0	175 195	11	20 21	8 23	†	† † †
Year	—	0	12	39	1,768	4,769	2,184	0	210	13	Mar. 1	3	25	Mar. 1 2 30

* Values from Robinson Cup Anemograph. † Dines' Tube instrument out of action from December 4th to end of year.

452. Richmond (Kew Observatory). *Readings, in degrees absolute, at 9h., Greenwich Mean Time.* 1922.

Day.	Jan.		Feb.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	78·2	81·4	77·9	80·0	80·7	79·9	77·7	79·9	81·6	81·3	91·0	85·8	87·8	86·5	89·1	87·5	87·6	87·5	85·6	86·1	78·9	83·1	78·5	80·9
2	80·0	81·3	77·6	80·1	80·0	80·1	77·0	79·9	81·9	81·4	91·0	85·9	87·8	86·4	89·0	87·4	87·0	87·3	86·0	86·1	79·0	83·0	78·8	80·9
3	79·8	81·3	79·0	80·1	79·8	80·2	77·0	79·8	81·9	81·4	91·0	86·1	87·6	86·4	89·1	87·5	86·7	87·2	86·1	86·1	78·6	82·9	79·0	80·8
4	78·0	81·3	79·2	80·1	81·1	80·2	76·7	79·7	82·0	81·4	89·9	86·1	87·4	86·4	89·3	87·4	87·1	87·2	86·6	86·1	78·7	82·8	79·2	80·8
5	76·5	81·3	77·6	80·1	80·5	80·2	76·9	79·7	82·2	81·6	89·9	86·3	87·0	86·5	89·3	87·5	87·6	87·1	87·0	86·1	77·9	82·5	79·4	80·9
6	75·9	81·2	76·2	80·1	81·1	80·3	77·9	79·6	82·2	81·7	90·3	86·5	87·7	86·4	89·4	87·5	88·0	87·1	86·7	86·1	78·5	82·5	79·5	81·1
7	75·7	81·2	75·7	80·1	81·4	80·5	78·3	79·6	83·0	81·7	90·1	86·3	86·9	86·3	89·0	87·5	87·6	87·1	85·5	86·2	79·4	82·3	78·5	81·1
8	76·5	81·0	75·1	80·0	80·2	80·5	78·3	79·6	84·2	81·8	90·0	86·5	87·0	86·3	88·9	87·4	87·3	87·1	84·9	86·1	79·6	82·3	78·5	81·0
9	78·0	80·8	75·0	79·8	79·4	80·8	78·0	79·4	85·7	82·1	89·3	86·5	87·0	86·2	89·0	87·4	87·3	87·2	84·8	86·1	79·5	82·3	77·8	81·0
10	79·8	80·8	74·8	79·6	79·0	80·6	77·9	79·7	86·1	82·2	89·4	86·7	86·9	86·3	89·0	87·5	86·0	87·1	84·2	86·0	79·1	82·2	77·0	81·0
11	78·5	80·8	74·6	79·4	78·1	80·6	78·6	79·7	85·0	82·4	89·6	86·7	87·7	86·3	88·2	87·5	85·7	87·0	83·7	86·0	79·9	82·2	77·3	80·8
12	77·5	80·9	74·6	79·3	78·8	80·5	79·0	79·7	83·8	82·7	89·9	86·7	87·8	86·2	87·9	87·5	86·0	86·9	82·8	85·8	79·0	82·2	77·6	80·7
13	76·4	80·9	74·5	79·2	78·9	80·6	80·0	79·8	83·2	82·8	90·6	86·7	88·8	86·3	88·1	87·5	86·0	86·8	82·8	85·7	78·7	82·2	78·5	80·6
14	75·7	80·7	74·4	79·1	78·6	80·6	81·3	79·9	83·6	82·9	88·5	86·8	88·1	86·3	88·3	87·3	85·9	86·7	82·6	85·5	78·1	82·1	79·4	80·6
15	75·2	80·5	74·4	79·0	79·1	80·4	82·6	80·1	84·0	82·9	87·1	86·9	88·1	86·5	88·4	87·3	86·0	86·6	82·1	85·2	78·0	82·0	79·5	80·6
16	75·2	80·5	75·3	78·9	79·0	80·5	82·0	80·2	84·9	83·0	87·0	86·8	88·1	86·4	88·2	87·4	85·1	86·6	82·2	85·1	77·9	81·9	79·1	80·6
17	75·1	80·3	77·7	78·7	78·9	80·4	81·0	80·3	85·1	83·0	88·7	86·6	87·7	86·6	88·6	87·3	86·0	86·4	82·9	85·1	78·2	81·9	79·0	80·6
18	74·9	80·1	77·7	78·8	78·7	80·4	80·2	80·6	85·0	83·1	87·9	86·6	87·9	86·6	88·0	87·3	85·9	86·4	82·7	85·1	78·8	81·8	78·7	80·8
19	75·7	80·1	76·8	79·0	79·0	80·3	80·2	80·5	85·1	83·2	89·0	86·5	87·7	86·6	88·0	87·3	85·7	86·3	82·2	85·0	78·7	81·5	78·5	80·7
20	76·6	80·0	77·0	79·0	78·8	80·4	80·6	80·7	85·8	83·3	89·2	86·5	88·7	86·7	88·8	87·2	86·6	86·5	81·8	84·9	78·9	81·6	78·4	80·5
21	76·6	79·9	77·2	79·0	77·5	80·3	81·0	80·8	87·0	83·4	89·6	86·6	89·7	86·7	88·7	87·3	87·2	86·3	81·3	84·7	79·2	81·6	77·8	80·7
22	77·1	80·0	77·1	79·1	76·9	80·3	81·0	80·9	88·6	83·5	89·4	86·6	90·2	86·7	89·6	87·3	87·8	86·2	81·5	84·5	79·5	81·6	78·4	80·7
23	77·1	79·9	78·4	79·1	76·3	80·3	80·4	81·0	89·8	83·8	88·8	86·7	89·9	86·9	89·5	87·3	87·4	86·3	81·2	84·5	79·3	81·6	78·5	80·6
24	76·4	79·9	80·0	79·1	76·7	80·2	81·2	81·1	90·0	84·1	88·6	86·8	89·3	87·0	88·1	87·4	86·8	86·3	80·9	84·3	79·0	81·5	77·8	80·4
25	75·5	79·9	80·0	79·3	77·6	80·1	81·0	81·1	90·6	84·3	87·9	86·8	88·6	87·1	88·2	87·4	85·6	86·5	80·8	84·2	78·0	81·6	76·8	80·3
26	76·8	79·9	80·4	79·5	77·3	80·1	81·1	81·1	90·1	84·4	87·6	86·6	89·8	87·1	87·3	87·7	86·1	86·4	80·0	84·2	76·8	81·4	77·3	80·4
27	77·5	79·7	80·0	79·6	77·6	79·9	81·1	81·2	89·8	84·9	87·9	86·6	90·0	87·1	88·2	87·2	86·1	86·4	79·0	84·0	76·7	81·3	76·6	80·2
28	77·9	79·8	80·3	79·9	77·5	80·0	81·0	81·2	89·8	85·1	88·1	86·6	90·3	87·2	88·8	87·3	86·0	86·3	79·0	83·8	76·1	81·2	76·6	80·2
29	78·4	79·9	—	—	77·7	80·0	81·1	81·3	89·7	85·2	87·5	86·6	90·5	87·2	89·4	87·3	86·4	86·3	78·3	83·5	77·4	81·0	77·0	80·1
30	78·6	79·9	—	—	77·8	79·9	81·6	81·2	89·9	85·5	87·7	86·6	90·9	87·2	89·6	87·3	84·9	86·2	78·6	83·4	78·0	80·9	77·9	80·0
31	78·5	79·9	—	—	77·6	79·9	—	—	90·6	85·6	—	—	89·9	87·3	88·3	87·4	—	—	78·9	83·2	—	—	77·9	80·0
Mean	77·1	80·5	77·1	79·5	78·8	80·3	79·7	80·3	85·9	83·1	89·1	86·5	88·5	86·6	88·7	87·4	86·5	86·7	82·7	85·1	78·5	82·0	78·2	80·6

The initial 2 or 3 of the readings is omitted; *i.e.*, 275·0 degrees absolute is written 75·0.

MINIMUM TEMPERATURE "ON THE GRASS" DURING THE INTERVAL 18H. TO 9H. G.M.T.

Readings, in degrees absolute.

453. Richmond (Kew Observatory). 1922.

Day.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	73·0	70·0	79·1	73·1	72·9	81·7	82·6	78·1	74·6	83·2	71·0	76·6
2	83·6	70·2	74·3	**65·9**	77·0	83·2	83·2	76·3	77·4	75·7	70·6	77·4
3	75·0	79·1	73·1	68·7	73·0	85·3	82·8	79·4	76·4	79·4	71·2	79·0
4	71·3	75·6	83·0	72·7	77·1	**73·7**	**75·3**	84·2	78·0	84·7	72·6	77·8
5	70·9	71·5	74·9	67·5	76·4	74·7	81·4	80·7	86·4	84·7	66·3	79·1
6	69·3	68·1	80·4	75·7	72·4	76·7	85·7	85·1	80·7	81·2	77·2	76·7
7	72·8	66·0	78·1	71·4	70·2	78·0	79·9	86·4	76·1	78·4	75·3	70·1
8	71·5	66·4	75·0	76·8	74·2	80·9	80·5	80·9	78·0	77·1	76·3	78·0
9	74·3	68·0	73·2	70·1	78·0	85·2	82·8	80·9	78·5	79·1	71·5	**66·9**
10	81·2	69·7	68·2	69·0	80·5	77·7	78·8	82·1	75·0	72·1	70·1	71·1
11	72·1	66·4	67·3	71·9	78·0	78·8	78·1	76·1	75·4	74·0	73·9	75·3
12	71·5	68·1	71·5	70·3	77·5	77·0	77·5	77·4	75·0	69·7	69·0	75·1
13	66·2	72·4	75·6	78·7	**68·8**	78·3	81·8	85·9	80·0	71·2	71·5	79·8
14	70·9	**65·0**	75·9	80·1	69·6	80·9	83·3	77·0	75·1	70·1	69·9	78·1
15	69·3	73·0	[77·1]	82·1	70·1	81·0	82·0	77·1	83·0	69·2	73·7	72·2
16	73·0	77·1	75·0	78·0	72·5	77·5	78·1	76·9	71·0	75·9	69·8	73·0
17	71·5	81·8	74·9	74·7	76·8	83·4	83·2	83·8	86·1	80·3	76·7	74·4
18	**65·9**	73·8	75·5	71·0	80·2	76·6	81·5	81·6	76·7	78·1	72·8	74·5
19	76·6	70·4	76·4	75·8	76·9	85·9	78·4	76·7	78·9	76·3	70·2	74·1
20	71·6	72·9	76·0	67·0	78·9	82·7	79·7	82·3	87·3	77·0	71·8	74·3
21	73·1	74·2	69·6	69·0	79·5	81·3	85·0	77·9	82·5	71·1	78·1	72·5
22	73·2	72·1	71·1	71·4	82·1	74·5	82·1	83·0	82·6	75·9	77·3	77·2
23	73·5	79·4	70·4	72·0	84·4	84·0	86·0	85·0	82·9	76·3	76·5	77·9
24	71·0	83·6	71·5	77·1	82·7	80·1	83·3	76·1	84·0	70·1	71·2	70·9
25	70·0	78·0	75·6	75·0	83·5	81·2	78·1	84·4	74·2	69·7	**66·1**	67·8
26	79·2	78·0	**67·0**	76·0	82·3	79·1	80·0	**74·0**	84·9	**67·1**	67·8	72·2
27	77·1	75·3	72·3	74·9	76·1	84·5	85·5	82·2	80·1	67·7	68·9	71·2
28	74·1	77·8	70·5	70·8	77·4	87·0	81·2	84·2	78·9	69·0	68·3	72·6
29	74·0	—	68·9	69·6	76·6	77·3	78·1	81·2	78·1	67·2	76·0	76·3
30	77·8	—	72·1	70·0	78·0	78·8	89·7	84·5	**70·2**	75·9	74·3	74·9
31	71·5	—	73·3	—	80·3	—	77·8	77·3	—	73·0	—	74·1
Mean	73·1	73·0	73·8	72·9	76·9	80·2	81·4	80·6	78·9	74·9	72·2	74·6

The initial 2 or 3 of the readings is omitted; *i.e.*, 275·0 degrees absolute is written 75·0.

Note.—The minimum refers to the interval from 18h. on the previous day to 9 h. on the day to which it is entered.

HEIGHT IN CMS. ABOVE M.S.L. OF SURFACE OF UNDERGROUND WATER.

Daily Means and Extremes for Months.

454. Richmond (Kew Observatory). 1922.

Day.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.
1	163	167	183	213	234	210	188	196	203	201	185	179
2	162	169	185	212	233	208	187	195	201	199	184	178
3	162	171	187	213	232	205	186	193	199	197	183	177
4	163	172	190	213	231	203	184	191	198	195	182	176
5	164	173	193	214	230	202	183	189	197	194	183	175
6	165	175	197	215	228	201	183	188	197	193	185	175
7	165	177	201	216	226	200	182	187	197	191	186	174
8	163	178	206	217	224	199	183	187	198	193	187	174
9	162	179	209	216	223	198	185	187	199	196	188	174
10	161	179	213	216	222	197	187	189	200	197	190	174
11	160	179	217	217	221	198	189	191	203	197	191	174
12	159	179	221	217	221	201	191	194	204	196	190	173
13	159	179	224	217	221	202	192	196	204	194	189	173
14	159	178	227	219	221	202	193	197	201	192	187	172
15	158	178	230	229	221	201	192	198	199	191	186	172
16	158	178	231	241	220	200	191	198	197	189	185	171
17	157	178	232	250	219	198	190	197	195	188	183	170
18	157	178	233	256	218	197	189	194	194	186	182	169
19	157	179	232	258	216	195	187	191	192	185	182	169
20	157	179	231	258	214	194	186	191	191	185	181	169
21	158	180	229	256	211	192	185	190	189	185	181	169
22	159	180	228	253	210	191	184	189	189	187	181	170
23	161	180	227	250	208	189	183	189	191	190	181	173
24	162	181	225	246	207	188	182	188	196	192	182	176
25	163	181	224	243	205	186	182	189	202	193	182	180
26	163	182	221	241	204	185	183	191	207	193	183	183
27	163	182	219	238	203	184	183	196	209	193	182	187
28	163	183	216	235	205	185	187	201	208	191	181	189
29	164	—	215	235	209	186	191	204	206	190	181	191
30	165	—	214	234	211	187	195	206	203	189	180	192
31	166	—	213	—	211	—	196	205	—	187	—	193
Mean	161	178	215	231	218	196	187	193	199	192	184	176

Extremes for the months:—Jan., 166, 157; Feb., 259, 212; Mar., 233, 183; Apr., 259, 212; May, 234, 203; June, 211, 183; July, 196, 182; Aug., 206, 187; Sep., 209, 189; Oct., 203, 185; Nov., 191, 179; Dec., 194, 169.

455. Richmond (Kew Obs.). January, 1922.

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.	10	...	St.-Cu.	10	...	St.-Cu.	10	q	...	...	...	St.-Cu.	10	...	St.-Cu.	10	...	o. [12h. 15m.: ● ps *p* ⌒ 15h.
2	St.-Cu.	9	q	St.-Cu.	10	...	Fr.-Nb.	10	...	Fr.-Cu.	6	)	Fr.-Cu.	5	...	Ci.-St.	2	...	≋ (gusts) 4h. 30m. to 8h. & 9h. 45m. t
3	St.-Cu.	9	≡⁰	St.-Cu.	10	≡⁰	A.-St.	9	pq	Fr.-St.	7	...	St.-Cu.	8	≡⁰	A.-St.	1	≡⁰	●⁰ 9h. 20m. & 10h. 20m.: o to 14h., c to bc *p*
4	St.	1	v	A.-Cu.	1	≡⁰	Fr.-Cu.	1	q	A.-St.	1	∞	—	0	≡⁰	A.-St.	1	...	b ≡⁰ b ∞ ≋ (gust) 11h. 2m.: ≡⁰ *n*:
5	A.-St.	1	...	Ci.-St.	1	...	Ci.	9	∞	A.-Cu.	8	∞	A.-Cu.	8	∞	A.-Cu.	8	...	b to 13h. then c to o; ◫ 18h.
6	A.-St.	6	≡⁰	St.	9	≡⁰	Cu.	1	∞	A.-Cu.	9	∞	A.-Cu.	8	≡⁰	St.	10	≡	bm till 7h.; bc 11h. to 13h.: ≡ *n*:
7	Nb.	10	≡⁰	Nb.	10	≡⁰	Nb.	10	d	Nb.	10	d⁰	St.	10	≡⁰	St.	8	≡	● 2h. to 11h.: d 13h. to 16h.: o ≡ *n*:
8	Nb.	10	≡⁰	Nb.	10	≡⁰	Cu.	9	≡⁰	...	...	...	Ci.-St.	4	≡⁰	Ci.-St.	10	...	● till 10h.: bc to o *p*: ◫ 18h. ● *n*:
9	Nb.	10	≡⁰	Fr.-Nb.	10	d⁰	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	7	...	St.-Cu.	10	q	● till 4h.: o *a*: o to c *p*: oq *n*:
10	Nb.	10	d⁰	Nb.	10	≡⁰	Ci.	2	≡⁰	Fr.-Cu.	4	∞	—	0	...	—	0	...	● 2h. to 6h.: d⁰ 7h., o till 11h.: bz to bm *p*:
11	Ci.-Cu.	3	⌊	A.-St.	8	⌊	Ci.-Nb.	2	≡⁰	Cu.	6	≡⁰	St.-Cu.	10	≡⁰	A.-St.	9	q	b to bc till 13h.: p⁰ 14h. & 16h. Kq ●² 18h. 30m.
12	A.-St.	1	⌊⌊	A.-Cu.	1	⌊⌊	—	0	∞	—	0	∞	Ci.	1	≡⁰	Ci.	1	≡	⌴ at first; bm to bz: ≡ ⌴ *n*:
13	St.	10	≡²	St.	10	≡²	St.	10	≡²	St.	10	≡²	St.	10	≡²	St.	10	≡²	ofx ✻⁰ 21h. to 21h. 45m.
14	St.	5	≡⁰	A.-Cu.	2	≡	A.-Cu.	8	∞	A.-Cu.	5	∞	A.-St.	2	≡⁰	St.	9	≡⁰	⊠⁰ ≡ 9h. b to c *a and p*: b ≡⁰ to o ≡⁰ *n*:
15	St.-Cu.	9	≡⁰	St.-Cu.	10	≡⁰	Nb.	10	✻⁰ ●⁰	...	...	...	Nb.	10	✻	Nb.	10	●⁰	o *a*: ✻ to ✻ *p*: ● *n*:
16	St.	9	q	St.-Cu.	8	≡⁰	A.-Cu.	8	...	Ci.-Cu.	2	...	A.-St.	2	≡⁰	A.-St.	2	≡⁰	● till 2h. 30m., then o till 9h.: bc to c later.
17	St.-Cu.	8	≡⁰	St.-Cu.	9	≡⁰	Ci.-St.	7	≡⁰	Ci.	7	≡⁰	—	0	≡⁰	—	0	≡⁰	o to c *a*: c to b *p*: ⌴ ≡⁰ *n*:
18	A.-St.	1	⌊	Ci.	4	⌊	St.	10	≡⁰	St.	10	≡⁰	St.	10	≡⁰	Nb.	10	●⁰	⌴ ≡ b to 9h. 30m.: o *a*: o, ● at times *p and n*
19	Nb.	10	q	Nb.	10	q	St.-Cu.	10	≡⁰	A.-St.	10	≡⁰	St.	10	≡⁰	Nb.	10	≡⁰	o ● ≡⁰ q *a*: o ≡⁰ *p*: ● after 21h.
20	St.	10	≡	St.	10	≡	A.-Cu.	1	≡	Cu.	4	≡⁰	St.	9	d⁰	St.	7	...	≡ until 14h.: b *p*: d 18h., p 20h.
21	A.-St.	10	...	Nb.	10	●⁰	Nb.	10	●⁰	Nb.	10	●⁰	Nb.	10	≡⁰	St.	10	≡⁰	o, ● ≡⁰ at times *a*: ● *p*: o ≡⁰ *n*:
22	—	0	≡	—	0	≡	—	0	≡	...	...	...	St.	10	≡	St.	10	≡	≡ till 11h. 30m. ≡ 12h. to 22h.
23	St.	10	≡⁰	Nb.	10	d⁰	Nb.	10	≡⁰	St.	10	≡⁰	St.	10	≡⁰	St.	10	...	●⁰ 7h. & 9h.: omq to om.
24	St.	10	q	Nb.	10	u	Nb.	10	✻⁰	Nb.	10	✻⁰	St.	10	q	St.	10	q	omq ✻⁰ 13h. to 15h.
25	St.	10	q	St.	10	≡	St.	10	≡⁰	Nb.	10	≡⁰	Nb.	10	≡⁰	St.	10	≡⁰	✻⁰ 4h. to 7h.: ≡ 9h.: o with ● ≡⁰ 14h. t 19h. 30m. [● after 21h
26	St.	10	≡⁰	Fr.-Cu.	8	≡	Nb.	10	≡⁰	St.	10	≡	Nb.	10	≡	St.	10	≡	≡ 9h.: o ≡⁰ until 14h., then ● ≡ *g*: d 18h
27	St.	10	●	St.	10	≡	Nb.	10	d	Nb.	10	≡⁰	St.	10	≡⁰	St.	10	≡⁰	≡ till 13h. 30m. with ● at times: ● ≡⁰ *n*:
28	A.-St.	1	≡⁰	A.-Cu.	7	≡⁰	Cu.-Nb.	8	≡⁰	Fr.-Cu.	7	≡⁰	St.	9	≡⁰	Nb.	9	...	● till 3h., then b ≡⁰: o ≡⁰ *a and p*: ● *n*:
29	St.-Cu.	9	...	A.-Cu.	3	≡⁰	Cu.	7	≡⁰	...	...	...	St.	10	≡⁰	St.	10	≡⁰	● 4h., bm to cm *a*: om *p and n*:
30	St.	10	≡⁰	St.	10	≡	Cu.	6	≡⁰	St.-Cu.	9	≡⁰	St.	10	d	St.	10	≡⁰	≡ 9h.: o ≡⁰ *a*: o ≡⁰, d at times *p and n*:
31	St.	10	≡	St.	10	≡⁰	Fr.-Cu.	10	≡⁰	Nb.	10	●⁰	St.-Cu.	10	≡⁰	—	0	≡⁰	≡ 7h.: o ≡⁰ *a*: ● ≡ 14h. to 15h, then o ≡⁰
Mean Cloud Am'nt	—	7·5	—	—	7·8	—	—	7·3	—	—	*7·5	—	—	7·5	—	—	7·3	—	

456. Richmond (Kew Obs.). February, 1922.

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.	10	≡⁰	St.	9	≡	Ci.	1	...	Ci.	7	...	—	0	≡⁰	Ci.	4	≡⁰	o at first: ≡ 9h., then b to c *a and p*: b ≡⁰ *n*
2	Nb.	10	●	Nb.	10	●	Nb.	10	d⁰	Cu.	6	≡⁰	St.	9	≡⁰	St.	9	≡⁰	● at times 4h. to 12h.: ●² KQ 16h. 30m
3	St.	9	...	A.-Cu.	7	≡⁰	St.-Cu.	10	...	Cu.	8	...	St.-Cu.	10	≡⁰	St.-Cu.	9	≡⁰	● *a*: o to c *p*: o ≡⁰ *n*. [⌇ 17h.: o ≡⁰ *n*
4	St.	10	≡⁰	St.	10	≡	Nb.	10	✻ ●	Nb.	10	d⁰	Nb.	10	✻	Nb.	10	✻⁰	● to 10h. 40m., then ✻ till 13h. 30m.: o wit ✻⁰ p *p and n*:
5	St.-Cu.	10	q	St.-Cu.	9	≡⁰	St.	10	≡⁰	...	...	...	St.-Cu.	3	≡⁰	Ci.-Cu.	3	≡⁰	om to omg *a*: om to bm, ✻⁰ 15h. 40m. *p*: bm *n*
6	A.-St.	10	≡⁰	St.-Cu.	9	≡⁰	A.-Cu.	7	≡⁰	A.-Cu.	9	≡⁰	—	0	≡⁰	—	0?	≡⁰	om to bm, ◫ 21h.
7	St.-Cu.	10	⌊⌊⌊	St.-Cu.	10	⌊⌊⌊	St.-Cu.	9	≡⁰	St.-Cu.	10	≡⁰	Ci.	5	≡⁰	A.-Cu.	1	≡⁰	≡⁰ ⌴: o to c: ≡⁰ *n*.
8	Ci.-Cu.	5	⌊⌊⌊	Ci.-Cu.	3	⌊⌊⌊	Ci.	6	≡⁰	Ci.	8	≡⁰	St.-Cu.	8	≡⁰	A.-Cu.	7	≡⁰	≡⁰ ⌴ bm *a*: cm *p*: ◫ 21h.
9	—	0	⌊	—	0	⌊	—	0	∞	—	0	∞	Ci.	2	∞	—	0	≡⁰	≡⁰ ⌴, ≡ 9h.: b ∞: ≡⁰ *n*.
10	A.-St.	2	⌊⌊⌊	Ci.	2	⌊⌊⌊	Ci.	1	∞	—	0	≡	—	0	≡	Ci.-St.	2	≡	⌴ early: b with ≡⁰ or ≡ all day. [b ∞ *p*: b ⌴ ≡⁰ *n*
11	St.	2	≡	—	0	≡	—	0	≡	—	0	≡	—	0	≡⁰	—	0	≡⁰	≡ ⌴ at first: cloudless with ≡ till 15h., then
12	—	0	⌊	Ci.-St.	1	⌊⌊	—	0	∞	...	...	...	St.	10	≡⁰	St.	10	≡⁰	b ≡⁰ ⌴ to b ≡⁰ *a and p*: o ≡⁰ with d⁰ 22h. *n*:
13	St.	10	≡⁰	A.-Cu.	6	≡⁰	A.-Cu.	10	∞	A.-Cu.	5	∞	—	0?	≡	—	0?	≡	o ≡⁰ to b ≡⁰ *a*: c ≡ to b ≡⁰ *p*: ≡ *n*:
14	—	0	⌊	—	0	⌊	A.-Cu.	4	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	St.	10	≡⁰	≡ ⌴ at first, b ≡⁰ till 13h.: o ≡⁰ *p and n*:
15	St.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	≡⁰	Nb.	10	●	Nb.	10	●⁰	o *a* o to ≡⁰ ● *p and n*.
16	St.	10	≡	St.-Cu.	10	≡	St.-Cu.	10	...	Nb.	10	d⁰	Nb.	10	d⁰	Nb.	10	...	● 2h. to 3h. ≡ to 9h.: om *a and p* d⁰ 14h. to
17	Cu.-Nb.	10	≡⁰	St.-Cu.	10	≡⁰	Cu.-Nb.	10	p⁰	Nb.	10	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	9	≡⁰	o ≡⁰ with ●⁰ at times *a and p*: o ≡⁰ *n*: [18h.: o
18	St.-Cu.	9	...	Fr.-Cu.	1	...	Fr.-Cu.	5	...	Fr.-Cu.	7	...	St.	1	≡⁰	—	0	...	q 4h. 15m. ● 4h. to 5h. b to c *a and p* bm *n*:
19	St.	10	⌊	St.	10	d	St.	10	≡⁰	...	...	...	St.	10	≡⁰	St.	7	...	⌴ early, then o: ● *a*: o ≡⁰ *p*: c *n* d 23h.
20	St.-Cu.	1	≡⁰	—	0	∞	Ci.-St.	6	...	A.-Cu.	6	...	St.-Cu.	4	≡⁰	A.-Cu.	<1	≡⁰	∼, bm *a*: bm to cm *p* ● 18h. 50m. [oq to ●⁰ *p*: ● *n*
21	St.-Cu.	10	q	Nb.	10	●	Fr.-Cu.	2	q	Cu.-Nb.	5	q	St.-Cu.	10	≡⁰	Nb.	9	●	KQ ● ≋ (gust) 8h. 30m.: oq to bq *a*
22	Ci.-St.	4	⌊	St.-Cu.	9	≡⁰	Cu.	6	...	Nb.	8	p	St.-Cu.	10	...	St.-Cu.	10	d⁰	b⌴ till 7h.: ●⁰ ≡⁰ 8h.: c to o, p 15h. *a and p*
23	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	9	∞	St.-Cu.	10	≡⁰	St.-Cu.	9	≡⁰	St.	10	...	● 6h.: om to oz *a and p*: [o ≡⁰ to ●⁰ *n*
24	St.	10	...	St.-Cu.	10	≡⁰	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	A.-Cu.	<1	...	o to om d⁰ 14h. 15m.: b *n*:
25	Ci.	3	—	Fr.-Cu.	2	)	Ci.	3	...	Ci.-St.	2	...	A.-St.	2	≡⁰	—	0	...	⌴: fine all day: ≡⁰ 18h.
26	St.-Cu.	10	...	Fr.-Cu.	10	...	Nb.	10	q	...	...	...	Nb.	9	≡⁰	—	0	...	o to ●q. ≋ (gust) 10h. 30m. *a*: ●p: o ≡⁰ to b *n*
27	—	0	...	—	0	)	Cu.	6	q	Fr.-Cu.	3	...	Nb.	5	...	St.	4	...	⌴ b *a*: b to o *p* ≋ (gust) 14h. 55m.: c, p ● 19h. *n*
28	Ci.-Cu.	3	...	St.-Cu.	6	q	Cu.	5	q	Fr.-Cu.	9	...	St.-Cu.	9	≡⁰	Nb.	10	●	●⁰ till 5h.: ≋ (gusts) 0h. 12m. & 12h. 50m. bq *a* c to o. ⊕ *p*: o ≡⁰ to ●² *n*:
Mean Cloud Am'nt	—	6·7	—	—	6·2	—	—	6·4	—	—	†6·8	—	—	6·3	—	—	5·2	—	
G.M.T.	7h.			9h.			13h.			15h.			18h.			21h.			

Note.—On Sundays, Good Friday and Christmas Day, observations are not recorded at 15h.
* Mean for 26 days only. † Mean for 24 days only.

457. Richmond (Kew Obs.). March, 1922.

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.-Cu.	9	...	St.-Cu.	9	$\equiv^0$	Cu.-Nb.	8	...	Cu.-Nb.	9	...	Nb.	10	d	Nb.	9	$●^0$	ꟿ (gusts) 0h. 35m. to 5h. & 15h. 10m. ; ꓘ ● ▲
2	Ci.	2	$\equiv^0$	Ci.	4	$\equiv^0$	Cu.	4	...	Cu.	4	...	A.-Cu.	4	∞	A.-St.	2	$\equiv^0$	bm to bc : bm *n*. [KQ 15h. 10m.–20m.
3	St.	10	...	Nb.	10	$\equiv^0$	St.-Cu.	10	$\equiv^0$	St.-Cu.	10	$\equiv^0$	St.-Cu.	10	$\equiv^0$	St.	10	...	● 2h. to 6h. : o to omr : ● 22h. to 23h. 30m.
4	A.-St.	10	$\equiv^0$	A.-St.	10	$\equiv^0$	A.-St.	7	$\equiv^0$	Nb.	10	$\equiv^0$ •	A.-Cu.	<1	$\equiv^0$	—	0	$\equiv^0$	● between 3h. 45m. & 11h. & 14h. to 15h. : [om to 16h. : bm.
5	Nb.	10	q	Nb.	10	●	Nb.	10	q	...	...	...	Nb.	9	q	Nb.	10	q	oqd to oqr *a* : oqm *p* : ꟿ (gusts) 13h. to 23h.
6	St.	10	$●^0$	St.-Cu.	9	$\equiv^0$	A.-Cu.	7	...	St.-Cu.	9	...	Ci.-St.	10	$\equiv^0$	Nb.	10	●	● 3h. 30m. to 7h. : om to c *a* : om *p* : ● *n* :
7	Nb.	7	q	Cu.	7	...	A.-St.	10	...	St.	10	$\equiv^0$	A.-St.	10	$\equiv^0$	—	0	...	ꟿ (gusts) 4h. 30m. to 7h. : p's 2h. 15m. to 7h. : [bc to om : ● 14h. to 15h.
8	Nb.	7	p^0	Nb.	10	●	Nb.	10	$\equiv^0$	St.-Cu.	10	q	Cu.-Nb.	2	q	Nb.	10	●	ꟿ (gusts) 6 h. 15m. to 19h. 40m. : ● *a and p* :
9	Ci.	4	...	Ci.	2	...	Fr.-Cu.	3	...	Fr.-Cu.	4	...	Ci.	4	∞	St.-Cu.	1	$\equiv^0$	bc to b : $\equiv^0$ *n* : [orqm to bq.
10	St.-Cu.	10	$\equiv^0$	A.-Cu.	1	$\equiv^0$	Cu.	8	...	Fr.-Cu.	4	...	A.-St.	<1	∞	Fr.-Cu.	<1	$\equiv^0$	omw to bm *a* : c to bz *p* :
11	Ci.	1	⊔	—	0	$\equiv^0$	Ci.-St.	<1	∞	—	0	∞	Ci.	3	∞	St.	10	$\equiv^0$	bmx to bz *a* : bz *p* : om *n* :
12	St.	7	$\equiv^0$	—	0	$\equiv^0$	—	0	∞	...	...	...	—	0	∞	—	0	$\equiv^0$	≡ ⌓ om to bm *a* : b to bm *p and n* :
13	Nb.	10	d^0	Nb.	10	$\equiv^0$	Nb.	10	∞	St.-Cu.	10	∞	St.-Cu.	5	∞	St.-Cu.	9	$\equiv^0$	omd^0 to omg *a* : oz to bcz *p* :
14	St.	10	$\equiv^0$	St.	10	$\equiv^0$	Ci.	1	∞	A.-Cu.	8	∞	—	0	...	St.	10	$\equiv^0$	om to 10h. : bz to 14h. : cz to bz : om *n* :
15	St.	10	$\equiv^0$	St.	10	g	Nb.	10	$\equiv^0$	St.	10	g	Nb.	10	g	St.	10	$\equiv^0$	om to omg.
16	A.-Cu.	7	$\equiv^0$	St.-Cu.	10	$\equiv^0$	St.	10	g	St.	10	g	St.	10	$\equiv^0$	St.	10	$\equiv^0$	cm to omg *a* : omg to om *p and n* :
17	St.	10	$\equiv^0$	St.	10	$\equiv^0$	St.	10	≡	—	0?	$\equiv^0$	St.	4	$\equiv^0$	St.	10	$\equiv^0$	omg to of *a* : of to bcm *p* :
18	St.	10	$\equiv^0$	St.	10	$\equiv^0$	—	0	$\equiv^0$	—	0	$\equiv^0$	Ci.	2	∞	—	0	$\equiv^0$	om to bm *a* : bm to bz *p* :
19	St.	10	$\equiv^0$	St.	10	$\equiv^0$	St.	10	$\equiv^0$	...	...	...	St.	10	$\equiv^0$	St.	10	...	om : o *n* :
20	Nb.	10	●	Nb.	10	$●^0$	St.-Cu.	10	...	St.-Cu.	10	∞	St.-Cu.	5	$\equiv^0$	—	0	...	● 6h. to 9h. : om r to o *a* : p's rs *p* : b *n* :
21	St.	8	⊔	St.-Cu.	10	$\equiv^0$	Cu.-Nb.	7	$\equiv^0$	A.-Cu.	7	∞	St.-Cu.	10	$\equiv^0$	—	0	q	✱ p's *a and p* : ꟿ(gust) 15h. 10m. : om to cz, b *n* :
22	Nb.	10	✱	Cu.-Nb.	9	$✱^0$	Fr.-Cu.	7	∞	Fr.-Cu.	8	q	Fr.-Cu.	6	q	St.-Cu.	8	q	$✱^0$ 7h. to 9h. 30m. : ꟿ(gusts) 13h. to 17h. 30m.:
23	Ci.	2	$\equiv^0$	Fr.-Cu.	4	∞	Ci.	4	...	Fr.-Cu.	6	∞	St.-Cu.	7	∞	St.-Cu.	7	...	bm to bc *a* : bcz to cz *p* : [om to bcz.
24	St.	10	$\equiv^0$	Ci.-Cu.	1	...	St.-Cu.	10	∞	St.-Cu.	10	∞	A.-St.	4	∞	St.	10	...	om to bc : *a and p* : ● *n* :
25	St.	10	$\equiv^0$	St.-Cu.	10	$\equiv^0$	Cu.	7	...	Ci.	8	...	Ci.	6	∞	—	0	∞	● 1h. to 3h. : om to c *a* : c to bcz *p* :
26	St.	10	≡	St.	10	≡	Cu.	7	∞	...	...	...	Nb.	6	$\equiv^0$	St.	10	d^0	≡ ⊔ c *a* : cz to om *p* : ● *p* :
27	St.-Cu.	10	$\equiv^0$	St.-Cu.	10	$\equiv^0$	Cu.-Nb.	9	$\equiv^0$	Cu.-Nb.	7	$\equiv^0$	St.-Cu.	7	$\equiv^0$	A.-St.	<1	...	om *a* : om to cm *p* : $✱^0$ 16h. 30m. to 19h.
28	St.	10	$\equiv^0$	Fr.-Cu.	5	$\equiv^0$	Nb.	10	p	St.-Cu.	7	∞	St.-Cu.	10	∞	—	0	...	om to bcm ● p's *a and p* : b *n* :
29	St.-Cu.	4	$\equiv^0$	Ci.	8	∞	St.-Cu.	10	∞	St.-Cu.	10	∞	A.-Cu.	10	∞	St.	10	...	bm to oz *a* : oz *p* :
30	St.	10	$\equiv^0$	St.-Cu.	10	$\equiv^0$	St.-Cu.	10	∞	Nb.	10	d	Nb.	10	d	Nb.	10	d	om *a* : odm to om *p* : ● d ✱ 15h. to 18h. : ● *n* :
31	St.	10	$\equiv^0$	St.	9	$\equiv^0$	St.	10	$\equiv^0$	A.-St.	10	∞	A.-St.	10	∞	A.-St.	10	q	$●^0$ 0h. to 1h.30m. : om to oz : $✱^0$ 14h. & 22h. 30m.
Mean Cloud Am'nt	—	8·3	—	—	7·7	—	—	7·4	—	—	* 7·8	—	—	6·3	—	—	6·1	—	

458. Richmond (Kew Obs.). April, 1922.

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	A.-St.	10	$\equiv^0$	St.	9	$\equiv^0$	Cu.	5	$\equiv^0$	St.-Cu.	8	∞	St.-Cu.	9	∞	St.	8	∞	om to bcz *a and p* :
2	Ci.-St.	1	⊔	Ci.-St.	3	∞	Cu.	4	∞	...	...	...	Ci.-St.	3	∞	—	0	$\equiv^0$	⊔ : ≡ 8h. : bm to bz.
3	Nb.	10	● ✱	Nb.	10	✱	Nb.	10	✱	Nb.	10	✱	Nb.	10	✱ ●	Nb.	10	$●^0$	● ✱ 6h. to 14h. & 14h. 30m. to 20h. : ≡ 18h. :
4	Fr.-Cu.	3	$\equiv^0$	Fr.-Cu.	8	∞	Cu.	7	∞	Cu.	8	∞	Cu.	7	∞	Ci.-St.	3	∞	● p 3h. : bm to cz *a* : cz *p* : [omg.
5	A.-Cu.	3	⊔	Ci.-Cu.	2	$\equiv^0$	Cu.-Nb.	10	...	Cu.-Nb.	9	...	Cu.-Nb.	8	∞	A.-St.	10	...	⊔ : bm to o *a* : c to o *p* : ● *n* :
6	Nb.	10	$\equiv^0$	St.-Cu.	10	$\equiv^0$	Cu.	5	...	Cu.	7	...	A.-Cu.	8	∞	Cu.-Nb.	4	$\equiv^0$	● 0h. to 3h. : om to bc *a* : bc to c *p* :
7	St.	10	$\equiv^0$	St.-Cu.	10	∞	Nb.	10	d^0	Nb.	10	d	St.	10	$\equiv^0$	St.	10	$\equiv^0$	om $●^0$ d *a* : ● 13h. to 18h.
8	A.-St.	10	$●^0$	Nb.	10	d^0	Nb.	10	d^0	St.-Cu.	10	∞	St.-Cu.	10	∞	A.-St.	3	$\equiv^0$	● 4h. to 7h. : omd *a* : o *p* : ● ✱ 20h.
9	St.	10	≡	St.	10	≡	St.-Cu.	8	∞	...	...	...	Nb.	10	●	A.-Cu.	7	$\equiv^0$	≡ to 9h. : ofw to c *a* : om to cm *p* : T 17h.
10	St.-Cu.	9	≡	St.-Cu.	9	$\equiv^0$	Ci.	7	∞	Ci.-St.	8	∞	Cu.	6	∞	Ci.-Cu.	3	$\equiv^0$	≡ : of to c *a* : c to bc *p* : [● 18h. to 19h.
11	St.-Cu.	4	≡	Ci.-Cu.	1	≡	Ci.	8	∞	Ci.	6	∞	St.-Cu.	10	∞	St.-Cu.	10	∞	≡ : bf to cz *a* : bcz to oz *p* :
12	St.-Cu.	10	$\equiv^0$	St.-Cu.	10	$\equiv^0$	Nb.	10	$\equiv^0$	Nb.	10	$\equiv^0$	Nb.	10	$\equiv^0$	Nb.	10	●	om to omd *a* : orm *p* : ● q *n* :
13	St.-Cu.	9	$\equiv^0$	Ci.-St.	3	...	Cu.	8	...	St.-Cu.	10	...	Nb.	10	●	Nb.	10	●	● p 3h. & 5h. : om to b *a* : c to orm *p* : ● *n* :
14	St.-Cu.	10	...	Cu.	5	∞	Ci.-St.	4	...	...	...	...	A.-St.	10	$●^0$	St.-Cu.	10	...	● 0h. 15m. to 1h. : ꟿ (gust) 15h. 10m. : $●^0$ p *p and n* : ● to bc.
15	St.-Cu.	8	q	Fr.-Cu.	8	q	Fr.-Cu.	7	q	Fr.-Cu.	2	q	Fr.-Cu.	9	q	Cu.	6	...	ꟿ(gusts) 1h.30m. to 19h. : cq to bcq *a* : cq to oq *p* :
16	St.-Cu.	9	...	St.-Cu.	10	q	Nb.	10	g	...	...	...	A.-St.	10	●	St.	7	...	o to og *a* : o to omr *p* : ● 16h. 30m. to 19h.
17	Fr.-Cu.	3	$\equiv^0$	St.-Cu.	10	∞	Cu.	8	...	Cu.	5	...	St.-Cu.	4	...	A.-Cu.	8	...	bm to oz : $●^0$ $✱^0$ p *a and p* :
18	St.-Cu.	9	$\equiv^0$	Cu.	7	∞	A.-Cu.	9	...	A.-Cu.	8	...	St.-Cu.	10	...	St.	10	...	om to cz : ● d 21h. 30m.
19	Cu.-Nb.	8	$\equiv^0$	Fr.-Cu.	1	∞	Fr.-Cu.	4	...	Cu.	6	...	Fr.-Cu.	1	∞	—	0	...	cm to bz *a* : bc to b *p* :
20	St.	10	$\equiv^0$	—	0	$\equiv^0$	—	0	∞	Ci.-St.	1	...	Ci.-Cu.	6	...	—	0	...	≡ om to b *a* : bz to bc *p* :
21	St.-Cu.	6	$\equiv^0$	Fr.-Cu.	<1	$\equiv^0$	Cu.	5	∞	Cu.	7	∞	A.-Cu.	7	∞	—	0	...	$\equiv^0$ ⌓ : bm to bc *a* : b to cz *p* :
22	St.	10	●	Nb.	10	$\equiv^0$	Nb.	10	$\equiv^0$	Nb.	10	$\equiv^0$	St.	10	$\equiv^0$	St.	10	...	● 2h. 20m. to 16h. : ofr to omd *a* : omd to om *p* :
23	A.-Cu.	2	$\equiv^0$	St.-Cu.	9	$\equiv^0$	St.-Cu.	9	...	...	...	...	St.-Cu.	5	...	St.	10	...	⌓ bm to om *a* : o to c *p* : ● p^0 14h. 45m.
24	Cu.	3	...	Fr.-Cu.	4	...	Cu.-Nb.	10	u	Cu.-Nb.	8	u	Cu.-Nb.	7	...	Cu.-Nb.	1	...	b to o *a* : o to bc *p* : ● ▲ p^0 11h. 15m. TKQ
25	St.-Cu.	4	...	Fr.-Cu.	7	...	Cu.-Nb.	9	...	St.-Cu.	10	...	Nb.	10	●	Nb.	10	●	bc to o *a* : c to or *p* : ● *n*. [ꟿ (gust) *p* :
26	St.-Cu.	10	$\equiv^0$	St.-Cu.	10	$\equiv^0$	Cu.	6	...	Cu.	9	...	Cu.-Nb.	7	...	St.	10	...	om to bc *a* : bc to o *p* : $●^0$ $▲^0$ p 14h. 10m.
27	St.	10	$\equiv^0$	Cu.	9	$\equiv^0$	Cu.-Nb.	9	$\equiv^0$	Cu.-Nb.	10	$\equiv^0$	Cu.-Nb.	9	p	A.-St.	3	...	om to c *a* : om *p* : ● ▲ p T 14h. 40m. to 15h.
28	St.	7	$\equiv^0$	Ci.-Cu.	6	$\equiv^0$	Ci.-Cu.	7	...	Cu.-Nb.	9	...	Ci.	7	∞	A.-St.	1	...	bm to c *a* : c to o *p* :
29	—	0	$\equiv^0$	—	0	$\equiv^0$	Cu.	4	...	Cu.	6	...	St.-Cu.	8	u	—	0	$\equiv^0$	≡ ⊔ : bm to bc *a* : bc to c *p* :
30	A.-Cu.	3	∞	A.-Cu.	9	∞	A.-Cu.	1	∞	...	...	...	A.-Cu.	6	∞	St.	<1	...	$\equiv^0$ ⊔ : bm to oz *a* : oz to bcz *p* :
Mean Cloud Am'nt	—	7·0	—	—	6·7	—	—	7·1	—	—	† 7·8	—	—	7·9	—	—	5·8	—	
G.M.T.	7h.			9h.			13h.			15h.			18h.			21h.			

* Mean for 27 days only. † Mean for 24 days only.

459. Richmond (Kew Obs.). — May, 1922.

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	A.-Cu.	4	≡⁰	A.-Cu.	4	≡⁰	Cu.-Nb.	9	...	St.-Cu.	9	...	Fr.-Cu.	9	≡⁰	St.	6	≡⁰	bcm to o *a* : om to c *p* : ● *p* : ▲ 19h.
2	St.	10	≡⁰	St.-Cu.	10	≡⁰	Cu.	9	∞	St.-Cu.	8	...	Cu.	5	...	—	0	≡⁰	om to oz *a* : oz to bc *p* :
3	St.	10	≡⁰	Nb.	10	≡⁰	St.-Cu.	10	...	St.-Cu.	10	...	Nb.	10	≡⁰	Nb.	9	...	om to orm : ● *a and p* :
4	St. Cu.	1	≡⁰	St.-Cu.	7	...	Cu.-Nb.	9	p	Cu.-Nb.	7	...	Fr.-Cu.	1	...	—	0	...	bm to o : p *p* : ◹ ▲ 14h.35m.
5	Nb.	10	●⁰	Nb.	10	q	Cu.	8	...	Cu.	7	...	Cu.	2	...	Ci.-St.	2	...	● 7h. 30m. to 8h. 10m. : omr to bc : ≡ (gusts) 10h. to 10h. 40m. :
6	Ci.	3	∞	Ci.-St.	3	...	Ci.-St.	8	...	Ci.-St.	8	...	Ci.	6	...	Ci.	3	...	b to bc *a* : c to bc *p* :
7	Ci.	2	...	Ci.	3	...	Ci.	3	...	...	...	...	Ci.	4	...	Ci.	2	...	≡⁰ p : b to bc :
8	Ci.	7	∞	Ci.	7	∞	Ci.	1	...	—	0	...	Ci.	6	...	Ci.	2	...	cz to b *a* : b to bc *p* :
9	Ci.-St	2	...	Ci.	6	...	Ci.	6	...	Ci.	9	...	Ci.	1	...	Ci.	4	...	≡⁰ p : bm to bcz *a* : bcz to oz *p* : (6) 13h.
10	St.	10	≡⁰	St.	10	≡⁰	St.	10	∞	St.	10	∞	St.-Cu.	10	∞	St.	9	...	om to oz :
11	St.	10	≡⁰	A.-St.	10	∞	St.	10	∞	St.	10	∞	St.	10	∞	St.	10	...	om to oz : ● d 22h.
12	A.-Cu.	9	≡⁰	St.-Cu.	7	∞	Cu.	4	...	St.-Cu.	7	...	A.-Cu.	6	...	Fr.-Cu.	1	...	om to bc *a* : bc to o *p* :
13	Ci.	1	∞	Cu.	5	∞	Cu.	6	...	Cu.	7	...	Cu.	2	...	—	0	∞	⊔ : bz to bc *a* : bc to c *p* :
14	—	0	≡⁰	Cu.	1	∞	Cu.	4	...	...	...	...	Cu.	1	...	A.-St.	1	...	≡ : bm to bc :
15	Cu.	3	≡⁰	Ci.	2	...	Ci.	3	...	Ci.	4	...	Ci.	5	...	Ci.	1	...	p bm to bc :
16	Ci.-St.	1	...	Cu.	<1	...	Ci.	<1	...	Ci.	3	...	Ci.	1	...	Ci.	2	...	p : b :
17	Nb.	10	≡⁰	Nb.	10	d⁰	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	8	...	St.-Cu.	7	...	● 2h. to 8h. : omr to o *a* : o to c *p* :
18	St. Cu.	10	...	St.-Cu.	10	...	A.-Cu.	5	...	St.-Cu.	9	...	Cu.	7	...	Ci.	3	...	o to bc : ●⁰ 9h. 5m.
19	St.	10	...	St.-Cu.	10	...	Fr.-Cu.	6	...	Cu.	5	...	Cu.	<1	...	—	0	...	●⁰ 6h. & 7h. 15m. : od to bc *a* : bc to b *p* :
20	Ci.	2	p	Ci.	4	...	Ci.	1	...	Cu.	1	...	Ci.-St.	<1	...	St.	2	...	p : b :
21	—	0	≡⁰	Ci.-St.	<1	...	Cu.	<1	...	...	...	...	Ci.-Cu.	<1	...	—	0	...	p : b :
22	Ci.	<1	∞	Ci.	1	∞	Cu.	<1	...	Cu.	1	...	A.-Cu.	3	...	Cu.-Nb.	7	...	p : bz to bc : ◹ 23h. 15m.
23	Ci.	2	≡⁰	Ci.-Cu.	3	...	A.-Cu.	1	...	Ci.	<1	...	—	0	...	Ci.-St.	2	...	2h. : ≡ : ●⁰ 11h. 40m. : b to c *a* : b *p* :
24	A.-Cu.	<1	≡⁰	Ci.-Cu.	<1	∞	Ci.-Cu.	<1	...	A.-Cu.	2	...	Ci.	<1	...	Ci.	3	...	p : bm to bz *a* : b *p and n* :
25	St.-Cu.	7	≡⁰	St.-Cu.	9	≡⁰	Cu.	7	...	Cu.	7	...	—	0	...	A.-St.	2	...	◹ 3h. 40m. to 5h. 50m. : ●² 4h. : om to c *a* : c to b *p* :
26	St.	10	≡⁰	St.	10	≡⁰	Ci.-St.	3	...	Cu.	6	...	A.-Cu.	3	...	A.-Cu.	1	...	p : om to b *a* : b to bc *p* :
27	—	0	p∞	Cu.	1	...	Cu.	<1	...	Cu.	<1	...	Cu.	<1	...	A.-St.	<1	...	bz to b :
28	Ci.-St.	<1	∞	—	0	...	—	0	∞	...	...	...	—	0	...	A.-St.	<1	...	p : bz to b :
29	Cu. St	1	∞	—	0	∞	A.-Cu.	1	∞	Cu.	3	...	Ci.-St.	2	∞	A.-St.	2	...	p : bz to b :
30	Ci.	3	≡⁰	Ci.	1	∞	A.-St.	8	...	Ci.-St.	7	...	Ci.	<1	...	Ci.	2	...	p : bm to c *a* : c to b *p* : ⊕ 13h.
31	Ci.	3	∞	Ci.	5	∞	Cu.	6	...	Cu.	6	...	A.-Cu.	8	∞	Ci.-Cu.	3	∞	p : b to bc *a* : bc to c *p* :
Mean Cloud Amt.	-	4·6	—	—	5·2	—	—	4·9	—	—	*5·9	—	—	3·7	—	—	2·8	—	

460. Richmond (Kew Obs.). — June, 1922.

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	Ci.	4	≡	Ci.-haze	4	∞	Ci.	3	...	Cu.	5	...	Ci.	3	∞	A.-St.	1	∞	≡ : bc to b : ∞ *p* :
2	A.-St.	10	≡⁰	Ci.-St.	9	∞	A.-St.	10	...	A.-St.	8	...	Ci.-St.	9	...	A.-St.	4	∞	om to oz *a* : o to c *p* :
3	A.-St.	10	...	St.-Cu.	9	...	Cu.	7	...	Cu.	4	...	Ci.	6	...	St.-Cu.	7	...	bc to o :
4	Cu.-St.	1	p	—	0	...	Cu.	4	∞	...	...	...	Cu.	3	...	Ci.-St.	<1	...	p b to bc :
5	Ci.	1	p	Ci.	<1	...	Ci.	5	...	A.-Cu.	<1	...	—	0	...	Ci.-St.	6	...	p b to bc *a* : b *p* :
6	A.-Cu.	5	∞	Ci.	1	∞	Fr.-Cu.	<1	...	Ci.	2	...	Ci.	1	...	A.-St.	1	∞	p : bm to bcz *a* : b *p* :
7	—	0	∞	—	0	∞	—	0	...	Cu.	<1	...	—	0	...	—	0	∞	p : bz to b :
8	Ci.	3	∞	A.-Cu.	9	∞	St.-Cu.	10	∞	Nb.	10	d⁰	St.-Cu.	10	...	St.-Cu.	10	≡⁰	p : bz to o : ●⁰ 12h. 30m. & 15h.
9	St. Cu.	10	≡⁰	St.-Cu.	10	...	Cu.	7	...	Cu.	7	...	Ci.	7	...	Cu.	3	∞	om to c *a* : c *p* :
10	Ci.	3	∞	—	0	...	Cu.	7	...	Cu.	7	...	Nb.	10	●	St.-Cu.	9	...	b to bc *a* : o to bc *p* : ● 17h. 30m. to 18h.
11	Ci.	2	...	Cu.	1	...	Cu.	<1	...	...	...	...	Ci.	<1	...	Ci.	1	...	b :
12	A.-Cu.	8	≡⁰	Ci.	<1	∞	—	0	...	—	0	...	Ci.-Cu.	1	...	A.-St.	2	∞	cm to b *a* : b *p* :
13	Ci.-Cu.	3	≡⁰	Ci.	6	...	Nb.	10	●	A.-St.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	p bm to o *a* : o *p* : ● 12h. 25m. to 13h. 50m.
14	St.-Cu.	10	q	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	∞	Nb.	10	...	Nb.	10	∞	o *a* : o to oz *p* :
15	Nb.	10	●	Nb.	10	d⁰	St.-Cu.	10	...	St.-Cu.	10	∞	St.-Cu.	10	∞	St.-Cu.	10	∞	● oh. 15m. to 6h. : orm to om *a* : oz *p* :
16	—	0	∞	—	0	∞	Ci.-Cu.	1	...	Ci.-Cu.	6	...	A.-Cu.	8	...	St.	9	≡⁰	b to bc :
17	St. Cu.	10	...	Fr.-Cu.	4	...	St.-Cu.	8	...	Cu.	7	...	A.-Cu.	5	...	A.-Cu.	5	...	o to bc :
18	A.-Cu.	9	...	St.-Cu.	10	...	Cu.	6	...	...	...	...	A.-Cu.	8	...	St.-Cu.	10	...	o to bc :
19	St.-Cu.	9	...	St.-Cu.	9	...	Cu.	7	...	Ci.	6	...	Ci.-Cu.	1	...	A.-St.	<1	...	o *a* : c to bc *p* :
20	St.	10	...	St.-Cu.	10	...	Cu.	6	...	Cu.	8	...	Cu.	6	...	A.-Cu.	2	...	o to bc : d⁰ 9h. 5m.
21	Ci.	4	...	Cu.	7	...	Ci.-St.	8	...	Cu.	8	...	Ci.-Cu.	8	...	A.-St.	8	...	p : bc to c : ⊕ 13h.
22	Ci.	4	...	Cu.	9	...	Cu.	10	...	St.-Cu.	10	...	A.-St.	10	...	Nb.	10	...	p : bc to o *a* : o *p* : d *p* : ● *n* :
23	Ci.-Cu.	8	...	St.-Cu.	10	...	Cu.	8	...	Cu.	8	...	A.-Cu.	8	...	Ci.	2	...	● 5h. 40m. to 6h. 20m. : o to bc *a* : o to c *p* :
24	St.-Cu.	8	...	St.-Cu.	10	...	St.-Cu.	10	...	Nb.	10	●	St.-Cu.	10	...	A.-St.	5	...	bc to o *a* : o to or *p* : ● *p* :
25	Cu.	4	...	Cu.	4	...	Cu.-Nb.	8	...	...	...	...	Cu.	8	q	Ci.	5	...	bc to cq : ●⁰p : ≡ (gusts) 13h.30m. to 14h. 30m.
26	Nb.	10	●⁰	Nb.	10	●	Nb.	10	d⁰	Nb.	10	d	Nb.	10	...	St.-Cu.	9	...	omr to o :
27	A.-St.	9	...	St.-Cu.	10	...	Cu.-Nb.	10	...	A.-Cu.	8	...	St.-Cu.	7	...	St.-Cu.	9	...	c to o : ●⁰ p 13h. 5m.
28	St.-Cu.	10	...	St.-Cu.	10	...	St.-Cu.	10	...	Nb.	10	...	Nb.	10	d	Nb.	10	●	o to od *a* : o to orm *p* : [KQ ● 15h.
29	Cu.	1	...	Cu.	8	...	Cu.-Nb.	6	...	Cu.-Nb.	10	●	Cu.	6	...	Cu.	1	...	b to o *a* : ● ▲ p 10h. : ◹ ●² 12h. 5m. to 30m. :
30	A.-Cu.	3	...	St.-Cu.	10	...	Cu.-Nb.	7	0	St.-Cu.	9	...	St.-Cu.	9	0	St.-Cu.	9	...	b to o *a* : c — ov *p* : ●⁰ p 9h. : 11h. 30m. & 13h. 10m.
Mean Cloud Amt.	—	6·0	—	—	6·4	—	—	6·7	—	—	†7·1	—	—	6·5	—	—	5·7	—	

G.M.T.	7h.	9h.	13h.	15h.	18h.	21h.

* Mean for 27 days only.

† Mean for 26 days only.

461. Richmond (Kew Obs.). July, 1922.

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.-Cu.	10	…	St.-Cu.	6	◊	St.-Cu.	10	◊	St.-Cu.	10	—	St.-Cu.	10	◊	Nb.	10	…	o to ov : ●0 p's *a and p* :
2	Ci.	8	⊕	Cu.	7	…	Cu.-Nb.	9	q	…	…	…	Cu.-Nb.	10	…	Nb.	10	●	c to oq : ⊜ oh. 10m. to 2h. : ● *n* :
3	A.-St.	10	…	Nb.	10	d0	St.-Cu.	10	…	Cu.	7	…	Cu.	3	…	A.-St.	1	…	orm to o *a* : o to b *p* : ⊜ p *a and p* :
4	St.-Cu.	10	…	Nb.	10	d0	Nb.	10	d0	Nb.	10	d0	St.-Cu.	10	…	Ci.-St.	3	…	p : bw to od *a* : or0 to o *p* : ●0 *a and p* :
5	Ci.-St.	8	⊕	St.-Cu.	10	…	A.-St.	10	…	Nb.	10	●	Nb.	10	●	Nb.	10	●	b to o p *a* : o to or *p* : ● 14h. 30m. to 24h.
6	Nb.	10	q	Nb.	9	q	Nb.	10	●0	St.-Cu.	10	…	St.-Cu.	8	…	Ci.-St.	7	…	● oh. to 3h. : ≍(gusts) 2h. 40m. to 11h. 55m. [oqr to c ●0 *p* :
7	A.-Cu.	3	p	Fr.-Cu.	7	…	Cu.	7	…	St.-Cu.	9	p	Nb.	10	●2	Ci.-St.	7	≡0	b to op *a* : or to c *p* ; ●2 15h. to 15h. 50m.
8	St.-Cu.	10	p0	St.-Cu.	9	…	Fr.-Cu.	10	…	A.-St.	10	d0	Fr.-Cu.	8	…	Nb.	9	q	bc to op *a* : oqr to c *p* : ≍ (gust) 20h. 20m.
9	Nb.	10	●	Nb.	10	≡0	Nb.	10	q	…	…	…	Cu.	5	q	St.-Cu.	5	…	⊜ 5h. 30m. to 8h. 30m. : orm to cpq *a* : oq to
10	Cu.	3	p	Cu.	4	…	Cu.	6	…	St.-Cu.	8	…	Cu.-Nb.	7	…	A.-Cu.	7	…	p : b to bc *a* : bc to c *p* : [bc *p* :
11	Ci.-St.	5	≡0	…	0	≡0	Cu.-Nb.	10	p0	St.-Cu.	9	∞	St.-Cu.	9	∞	A.-Cu.	1	≡0	≡ : bmw to oup *a* : og to oz *p* :
12	…	0	≡0	…	0	…	Cu.	7	…	Cu.	7	…	A.-Cu.	5	…	Ci.-Cu.	7	…	p : bm to c.
13	St.-Cu.	10	∞	St.-Cu.	10	∞	Nb.	10	●0	St.-Cu.	10	…	Nb.	10	…	St.-Cu.	10	…	p : cw to or0 *a* : o to or0 *p* :
14	Nb.	10	●	Nb.	10	d	Nb.	10	●	Nb.	10	≡0	Cu.	4	∞	Cu.-Nb.	3	≡0	orm to odm 5h. to 16h. : bc to bm.
15	St.-Cu.	10	≡0	Ci.-St.	8	∞	Cu.	7	…	Nb.	9	…	Nb.	7	…	Nb.	6	…	● 1h. 30m. to 5h. 45m. : orm to c *a* ; ⊕ 9h. : [o to bcp *p* :
16	St.-Cu.	9	p	Cu.-Nb.	8	p0	Nb.	10	p0	…	…	…	Nb.	10	u	St.-Cu.	10	…	p : o to c p *a* : oup to o *p* :
17	A.-Cu.	7	…	St.-Cu.	9	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	9	…	St.	7	…	c to o : ●0 p 14h. 20m.
18	Nb.	10	≡0	Nb.	10	d0	Nb.	10	●0	A.-Cu.	8	…	St.-Cu.	9	…	A.-St.	<1	…	● oh. 45m. to 3h. 45m. : odm to cz :
19	Ci.-St.	1	≡0	Cu.	4	…	Cu.	6	…	Cu.	5	…	Cu.	3	…	A.-St.	1	…	p ≡0 : bm to bc :
20	A.-Cu.	6	≡0	Ci.-Cu.	6	…	Cu.	4	…	Cu.	7	…	A.-Cu.	4	…	A.-St.	2	…	p : bm to c :
21	Nb.	10	u	St.-Cu.	10	…	Cu.	4	…	Ci.-St.	8	…	St.-Cu.	9	…	St.-Cu.	8	…	p : b to o : ● p 17h.
22	A.-St.	10	p0	Nb.	10	d0	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	A.-St.	9	…	≡0 omp to o : ●2 15h. 40m. to 16h. 40m.
23	Nb.	10	…	Nb.	10	≡0	Nb.	10	●	…	…	…	St.-Cu.	9	…	St.	10	…	o to om *a* : omr to o *p* :
24	A.-St.	10	≡0	Nb.	10	d0	St.-Cu.	10	…	A.-Cu.	9	…	A.-Cu.	8	…	St.	1	p	omr to c *a* : op to c *p* :
25	St.-Cu.	8	≡0	A.-Cu.	8	≡0	Cu.	4	…	Cu.	6	…	Cu.	4	…	A.-St.	3	…	omw to bc :
26	A.-Cu.	7	≡0	Cu.	7	∞	Cu.	8	…	St.-Cu.	10	…	Nb.	10	d	Nb.	10	●	≡0 : b to c *a* : c to od *p* : ● *n* :
27	St.-Cu.	10	…	Cu.-Nb.	7	…	Cu.	5	…	Cu.	6	…	A.-Cu.	4	∞	St.	10	p∞	om to bc :
28	St.-Cu.	4	∞	A.-Cu.	6	…	Cu.	3	…	Cu.	6	…	A.-Cu.	1	…	St.-Cu.	3	p	cz to b :
29	Fr.-St.	5	≡0	Ci.-St.	5	…	St.-Cu.	9	…	St.-Cu.	10	…	St.-Cu.	8	…	St.	9	…	p : bm to o *a* : o to c *p* :
30	St.	10	u	Nb.	10	u	Nb.	10	…	…	…	…	Nb.	10	u	Nb.	7	…	our to o *a* : op to c *p* :
31	Ci.	1	p	Cu.	4	p	St.-Cu.	8	…	Cu.-Nb.	3	…	Nb.	8	…	St.	<1	…	p : b to c *a* : op to bc *p* :
Mean Cloud Am'nt	—	7·6	—	—	7·5	—	—	8·3	—	—	*8·3	—	—	7·5	—	—	6·1	—	

462. Richmond (Kew Obs.). August, 1922.

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.-Cu.	6	p	Cu.	4	p	Cu.-Nb.	9	…	Cu.-Nb.	8	p0	A.-St.	5	…	Cu.-Nb.	6	…	p : b to o *a* : o to bc *p* : K Q 12h. 10m.
2	Ci.-Cu.	2	p	A.-Cu.	2	p	A.-Cu.	8	…	Ci.-Cu.	7	…	Cu.-Nb.	9	u	Nb.	9	p0	≡0 p : b to c *a* : c to o p0 *p* : [●0 15h.
3	St.-Cu.	9	…	St.-Cu.	8	…	Cu.	9	…	St.-Cu.	10	…	Nb.	10	…	Nb.	10	…	o to c *a* : o *p* : d, *p and n* :
4	Nb.	10	●0	Nb.	10	d0	Nb.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.	10	≡0	orm to o ; ●0 7h. to 9h.
5	St.	10	≡	St.	9	≡0	St.-Cu.	8	∞	A.-Cu.	9	…	A.-St.	4	…	A.-Cu.	9	…	≡ p : omg to cz *a* : o to bc *p* :
6	St.	9	≡0	Fr.-Cu.	9	≡0	Nb.	10	≡0	…	…	…	Nb.	10	≡0	Nb.	10	≡0	om to omr : ● *a, p and n* :
7	Nb.	10	…	Nb.	10	…	St.-Cu.	10	…	Fr.-Cu.	9	…	Cu.	4	…	A.-Cu.	2	p	● d oh. 30m. to 1h. : o *a* : o to bc *p* :
8	St.	10	≡	Nb.	10	p0	Cu.-Nb.	6	…	Cu.	6	…	Cu.	5	◊	A.-Cu.	2	p	≡ : orm to bc *a* : bc *p* :
9	St.	9	p	St.-Cu.	10	…	Cu.	5	…	Nb.	10	p	Nb.	10	●	Nb.	10	u	p : o to bc *a* : T 13h. 30m. : bc orm *p* :
10	St.	8	≡0	A.-Cu.	8	∞	St.-Cu.	7	…	A.-Cu.	9	…	A.-Cu.	3	∞	A.-Cu.	3	≡0	om to cz *a* : o to bz *p* :
11	St.	10	≡	A.-Cu.	10	≡	Cu.-Nb.	10	u	Nb.	10	≡0	Cu.	4	…	St.	9	p	≡ : op to c *a* : orq to bc *p* :
12	A.-St.	8	…	A.-St.	10	…	A.-St.	10	p0	A.-St.	10	●	Fr.-Nb.	10	…	Nb.	10	d0	≡0 p : c to o *a* : or to o *p* :
13	St.	10	…	Nb.	10	…	A.-St.	8	…	…	…	…	A.-St.	10	…	St.	10	p	o *a* : o to c *p* :
14	Ci.-St.	5	≡0	Ci.	9	≡0	Cu.	9	∞	St.-Cu.	10	∞	St.-Cu.	10	∞	A.-St.	8	…	≡0 p : o to bc *a* : oz *p* :
15	St.	3	…	Ci.-Cu.	6	…	St.-Cu.	9	…	Cu.	4	…	Ci.	4	,,	Ci.	2	…	≡0 : o to b :
16	St.-Cu.	8	p	Cu.	9	…	Fr.-Cu.	7	…	Ci.-St.	8	…	St.-Cu.	10	…	A.-Cu.	2	…	o to b *a* : o to c *p* :
17	Nb.	9	u	St.-Cu.	10	…	A.-St.	10	…	Ci.-St.	9	…	—	0	…	A.-St.	1	…	o to b :
18	A.-Cu.	6	p	Ci.-St.	2	…	Cu.	6	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	8	…	b to bc *a* : bc to o *p* :
19	Ci.	3	p	Cu.	6	p	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	9	…	St.	1	…	≡ : b to o :
20	A.-St.	8	≡0	A.-St.	10	≡0	Cu.	7	…	…	…	…	St.-Cu.	3	…	—	0	p	≡0 : o to c *a* : c to b *p* :
21	St.	10	≡	Ci.	8	≡0	Cu.	8	∞	Cu.	7	∞	St.-Cu.	9	∞	A.-St.	8	…	≡ : oz to bc :
22	A.-St.	6	≡0	A.-Cu.	10	≡0	Cu.	5	…	St.-Cu.	10	…	St.-Cu.	10	…	A.-St.	10	…	≡0 : bc to o : ● *n* :
23	A.-Cu.	8	…	Cu.	5	…	Cu.	6	q	St.-Cu.	5	q	St.-Cu.	7	q	St.	1	…	⊜ 1h. to 2h. : c to bc :
24	A.-St.	10	≡0	A.-Cu.	7	…	St.-Cu.	10	…	Nb.	10	≡0	Nb.	10	≡0	Fr.-St.	2	…	≡0 b to o *a* : c to orm *p* : ● 14h. to 17h.
25	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	Ci.-St.	3	…	o : ●0 p *p* :
26	Ci.	1	≡0	Ci.	<1	p	Ci.	<1	…	Cu.	<1	…	A.-Cu.	<1	…	Ci.-St.	3	…	≡0 : b :
27	St.-Cu.	9	…	St.-Cu.	9	…	St.-Cu.	8	…	…	…	…	St.-Cu.	8	…	A.-Cu.	5	…	b to o *a* : o to bc *p* :
28	Nb.	10	≡	A.-Cu.	10	d0	St.-Cu.	8	…	Ci.-Cu.	7	…	Fr.-Cu.	9	…	St.-Cu.	9	…	≡ : ⊜ 2h. 45m. to 8h. 20m. : om to c :
29	Cu.	5	≡0	Cu.	8	p	Cu.	9	…	Ci.-St.	9	…	Ci.	6	…	Nb.	10	●	≡0 : bc to o : ●0 *n* :
30	St.-Cu.	10	≡0	Nb.	10	●	St.-Cu.	10	…	A.-St.	10	…	Nb.	10	d	Nb.	10	q	≡0 : o *a* : o to bc *p* : ● *a and p* :
31	Nb.	10	p	St.-Cu.	10	≡0	Cu.	5	…	St.-Cu.	9	…	Cu.-Nb.	1	…	A.-Cu.	1	≡0	omr to bc *a* : or b *p* : ⊰ 14h. 45m. : ≡ *n* :
Mean Cloud Am'nt	—	7·8	—	—	8·1	—	—	8·0	—	—	†8·4	—	—	7·1	—	—	5·9	—	
G.M.T.	7h.			9h.			13h.			15h.			18h.			21h.			

* Means for 26 days only.

† Means for 27 days only.

463. Richmond (Kew Obs.). September, 1922.

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	A.-Cu.	8	≡⁰	Cu.	8	♭	St.-Cu.	10	...	Nb.	10	d⁰	A.-St.	9	≡⁰	Ci.-St.	3	≡⁰	≡ : omw to cw *a* : omr⁰ to omd⁰ *p* :
2	St.	10	≡	St.	10	≡⁰	Cu.-Nb.	7	...	Nb.	10	●⁰	St.-Cu.	8	∞	A.-Cu.	<1	≡	≡ *a and n* : ♭ : omw to our : bfw *n* : ● 15h.
3	St.	10	≡	St.	10	≡⁰	Cu.	5	∞	...	...	...	Ci.	4	...	Ci.	1	≡	≡ *a and n* : o to 11h. : bz to c *p* :
4	St.-Cu.	9	≡⁰	St.	10	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	9	≡⁰	St.-Cu.	10	...	≡ : ♭ : om.
5	St.-Cu.	10	≡⁰	Nb.	10	≡⁰	Cu.	8	...	Cu.-Nb.	8	...	St.-Cu.	10	...	A.-St.	3	≡	om *a* : cu to oud *p* : ≡ *n* :
6	St.	10	≡	A.-Cu.	9	≡⁰	A.-Cu.	10	∞	A.-Cu.	9	...	A.-Cu.	4	∞	A.-Cu.	5	≡⁰	≡ : om to oz till 15h. : bcm *p and n* :
7	Cu.	7	≡	A.-Cu.	7	≡	Cu.	3	...	Cu.	5	...	A.-Cu.	8	∞	A.-Cu.	7	...	≡ to 9h. : b to c *p and n* :
8	St.	10	≡⁰	St.-Cu.	8	≡⁰	St.-Cu.	8	...	A.-Cu.	8	...	St.-Cu.	9	≡⁰	A.-Cu.	9	...	omw to c *a* : c to om *p* :
9	A.-Cu.	5	≡⁰	Fr.-Cu.	2	...	St.-Cu.	10	...	St.-Cu.	9	...	St.-Cu.	9	...	—	0	...	b to o *a* : o *p* : b *n* :
10	Cu.	3	≡⁰	Cu.	3	∞	St.-Cu.	10	q	...	...	...	St.-Cu.	9	≡⁰	Nb.	10	...	♭ : bm to b *a* : oq to om *p* :
11	St.	10	≡⁰	St.-Cu.	8	≡⁰	Cu.	6	...	Cu.	3	...	Fr.-Cu.	3	≡⁰	—	0	≡⁰	omw to bc *a* : b to bm *p* : ≡ *n* :
12	St.	10	≡	A.-St.	<1	≡⁰	A.-St.	10	...	Nb.	10	...	Nb.	10	≡⁰	Nb.	10	●⁰	≡ ♭ : bm to o *a* : o to om *p* : o to or *n* :
13	Ci.-St.	3	≡⁰	St.-Cu.	9	...	Cu.-Nb.	6	...	Cu.-Nb.	7	...	Nb.	9	p	—	0	...	bmw to o *a* : c to o *p* : p in *p* : T. *p* :
14	St.	10	≡⁰	St.	10	≡⁰	Cu.	4	...	A.-St.	10	∞	Nb.	10	...	Nb.	10	...	ofw to bc *a* : bc to orm *p* : ● 17h. to 24h.
15	St.-Cu.	10	...	A.-Cu.	4	...	St.-Cu.	9	...	Cu.	6	...	St.-Cu.	7	...	—	0	...	● to oh. 15m. : o to bc *a and p* : b *n* :
16	Ci.-St.	3	≡⁰	A.-Cu.	9	♭	A.-St.	10	...	St.-Cu.	10	...	Nb.	10	...	Nb.	10	...	≡⁰ b to 8h. : o *a and p* : p 12h.
17	St.-Cu.	10	...	Nb.	10	d⁰	Cu.	3	q	...	...	...	Cu.	2	...	A.-St.	2	...	● 2h., 8h. 15m.–45m. & 11h. 10m. : o to 10h.
18	Ci.	1	≡⁰	A.-St.	1	...	Cu.	5	...	Ci.-St.	2	...	Cu.	7	...	Ci.-St.	7	...	≡⁰ ♭ : b *a* : b to c *p* : [30m. : b *p* :
19	St.	10	u	Nb.	10	●⁰	Nb.	10	●	Nb.	10	≡⁰	Nb.	10	≡⁰	St.	10	...	o to om : ● 8h. to 13h. 30m.
20	Fr.-Cu.	7	...	Cu.	4	...	Cu.	3	...	Cu.	1	...	A.-St.	1	...	—	0	♭	c to bc *a* : b *p and n* :
21	St.	10	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	8	...	Cu.	7	...	St.-Cu.	7	...	St.	10	...	om to c *a* : c *p* :
22	St.-Cu.	4	≡	St.	10	≡	St.	10	∞	St.	9	∞	St.-Cu.	2	∞	St.	10	...	≡ 6h. to 9h. 30m. : bcf to oz *a* : oz to bz *p* :
23	St.	10	≡⁰	St.	10	≡⁰	Nb.	10	d	Nb.	10	d	St.	10	≡⁰	Nb.	10	●⁰	om to omr : ● *a and p* :
24	Nb.	10	●	Nb.	10	●⁰	Nb.	10	≡⁰	...	...	...	Ci.-St.	3	≡⁰	—	0	≡⁰	● 5h. 45m. to 9h. : om *a* : om to bm *p* : ≡ *n* :
25	St.	10	≡	St.	10	≡	St.-Cu.	10	...	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	St.	10	...	≡ to 10h. 15m. : cm 10h. 15m. to 11h. 30m. : om *p* :
26	Nb.	10	●⁰	Cu.-Nb.	10	≡⁰	A.-St.	10	p⁰	A.-Cu.	9	...	St.-Cu.	3	≡⁰	St.-Cu.	<1	♭	●⁰ 6h. to 7h. 30m. : ● p *p* : om to o *a* : o to b *p* :
27	Ci.	7	≡⁰	St.-Cu.	8	≡⁰	Nb.	10	d⁰	Nb.	10	d	St.	5	≡⁰	St.	4	≡⁰	≡⁰ ♭ : om to cm *a* : orm to bcm *p* : ≡ *n* :
28	St.	10	≡	St.-Cu.	9	≡⁰	St.-Cu.	10	∞	Nb.	9	∞	A.-St.	9	≡⁰	St.	10	p⁰	≡ : ofw to cz *a* : oz to om *p* : p *p* :
29	—	0	∞	Fr.-Cu.	3	...	Cu.	6	...	Cu.	5	...	Ci.-St.	1	...	—	0	≡⁰	bz to b *a* : b to bc *p* :
30	A.-St.	8	≡⁰	A.-Cu.	8	≡⁰	Ci.-St.	10	...	A.-Cu.	10	∞	A.-St.	10	●⁰	Nb.	10	●	⊏ : bm to om *a* : oz to or *p* : ⊕ 13h.
Mean Cloud Am'nt	—	7·8	—	—	7·7	—	—	8·0	—	—	*8·0	—	—	6·9	—	—	5·4	—	

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1	St.	10	≡⁰	Nb.	10	≡⁰	St.-Cu.	10	≡⁰	...	...	...	Nb.	10	≡⁰	Nb.	10	≡⁰	● to oh.25m. : ● p 2h. : om to orm : ● 18h. 50m.
2	Ci.	8	≡⁰	Ci.-St.	6	≡⁰	Ci.	7	∞	Ci.	8	∞	Ci.-Cu.	8	≡	St.	9	≡	≡ : ⊕ 9h. : om to bcm : ≡ *n* : [to 19h.•35m.
3	St.	10	≡	Ci.	7	≡⁰	A.-St.	10	∞	Ci.-St.	9	∞	St.-Cu.	8	≡⁰	St.-Cu.	10	≡⁰	≡ : ofw to cm :
4	Ci.	5	≡⁰	St.-Cu.	10	♭p	Nb.	10	●	Nb.	10	●	Nb.	10	●	Nb.	10	...	bc to o *a* : o *p* : ● 14h. 20m. to 20h. 35m.
5	Cu.	7	≡⁰	St.-Cu.	9	♭p	Cu.	7	...	Ci.-St.	8	...	Cu.-Nb.	8	≡⁰	St.-Cu.	10	...	♭ : o to c :
6	St.	10	≡⁰	St.	10	≡⁰	St.-Cu.	10	∞	St.-Cu.	10	...	St.-Cu.	1	≡⁰	—	0	...	om to o till 17h. : b *n* :
7	Cu.	3	≡⁰	Cu.	1	∞	St.-Cu.	9	∞	Fr.-Cu.	8	∞	St.-Cu.	2	≡⁰	St.	10	...	bz to oz :
8	Ci.-St.	2	≡⁰	Ci.	4	≡⁰	St.-Cu.	8	...	...	...	...	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	bm to om *a* : cm to om *p* :
9	St.-Cu.	9	≡⁰	Cu.	<1	∞	Cu.-Nb.	10	∞	St.-Cu.	10	∞	St.-Cu.	9	∞	St.-Cu.	7	≡⁰	om to bz *a* : o *p* : ●⁰ 14h. 35m.
10	Nb.	10	d⁰	Nb.	10	≡	St.-Cu.	10	∞	St.	10	∞	St.	10	≡⁰	St.	10	≡⁰	≡ 9h. : ●⁰ 6h. 30m. to 9h. : omr⁰ to ogz :
11	St.-Cu.	9	≡⁰	—	0	≡⁰	Det.-Cu.	1	...	—	0	...	A.-Cu.	<1	≡⁰	—	0	≡⁰	o to 8h. ; bm to b.
12	Ci.-St.	3	≡	—	0	≡	Ci.-St.	4	...	Ci.-St.	4	...	Ci.	2	≡	—	0	≡⁰	≡ ⊏ : bm to bc : ≡ 18h.
13	Ci.	5	≡⁰	Ci.	3	≡⁰	—	0	...	—	0	...	Ci.	1	...	—	0	≡⁰	≡⁰ p ⊏ : bcm to b *a* : b *p* :
14	—	0	≡	—	0	≡⁰	—	0	∞	—	0	∞	—	0	≡⁰	—	0	≡⁰	≡ ♭ : bm to bz :
15	—	0	≡	—	0	≡	—	0	∞	...	...	...	—	0	≡⁰	—	0	≡⁰	≡ to 9h. : bm to bz :
16	Ci.	2	≡⁰	—	0	≡⁰	—	0	∞	—	0	∞	—	0	∞	—	0	...	♭ : bm to bz :
17	Fr.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	Cu.	5	q	Fr.-Cu.	<1	q	St.-Cu.	<1	q	St.-Cu.	1	q	≡⁰ : o to 11h. : bq *p* :
18	St.-Cu.	7	≡⁰	St.-Cu.	9	p⁰	Cu.-Nb.	5	q	Cu.	9	q	St.-Cu.	8	∞	St.-Cu.	3	...	bc to op *a* : bcz to op *p* : [to 14h. 20m.
19	St.-Cu.	1	≡⁰	St.-Cu.	8	q	St.-Cu.	9	q	Cu.	8	q	St.-Cu.	10	∞	St.-Cu.	10	...	bc to oq *a* : oq to o *p* : ⛷ (gusts) 10h. 5m.
20	Nb.	10	●⁰	Nb.	10	d	Nb.	10	d	Nb.	10	d⁰	Nb.	10	d⁰	St.	9	...	● 1h. 25m. to 7h. 30m. : d 7h. 30m. to 16h. 45m. : omr to omd⁰ :
21	A.-Cu.	5	≡⁰	St.-Cu.	10	≡⁰	Cu.	3	∞	Cu.	4	∞	Cu.	4	∞	St.	8	≡⁰	≡⁰ : bcm to omz :
22	St.-Cu.	8	...	St.	9	p⁰	St.-Cu.	9	≡⁰	...	...	...	St.-Cu.	5	≡⁰	A.-St.	1	♭	c to o *a* : om to bcm *p* :
23	St.-Cu.	8	≡⁰	A.-St.	10	≡⁰	St.-Cu.	10	∞	St.-Cu.	10	∞	St.	10	∞	—	0	...	om *a* : oz *p* : b to bx *n* :
24	St.-Cu.	7	≡⁰	—	0	≡⁰	Cu.	6	...	A.-Cu.	4	∞	St.-Cu.	1	∞	St.	4	≡⁰	⊏ ⊏ ≡⁰ : cm to bm *a* : o to bz *p* :
25	St.-Cu.	9	≡⁰	Fr.-Cu.	1	≡⁰	Cu.	6	∞	St.-Cu.	10	∞	—	0	≡⁰	—	0	≡⁰	⊏ ⊏ ≡⁰ : bm to bcz *a* : o to bm *p* :
26	St.	10	—	—	10	≡	—	0	∞	Ci.	7	∝	—	0	≡⁰	—	0	≡⁰	≡ to 12h. 50m. : ⊏ : bz to cm :
27	St.-Cu.	7	⊏	St.	10	≡	St.-Cu.	10	∞	A.-Cu.	5	∞	A.-Cu.	5	≡⁰	A.-Cu.	8	≡⁰	⊏ ⊏ ≡ 9h. : d 9h. to 10h. 45m. : cm to om *a* :
28	A.-St.	2	≡⁰	A.-St.	1	≡⁰	Cu.	8	∞	Cu.	4	∞	A.-Cu.	3	∞	A.-Cu.	<1	≡⁰	⊏ ⊏ : bm to cz *a* : cz to bz *p* : [oz to bcm *p* :
29	Ci.-St.	8	⊏	Cu.	8	≡⁰	St.-Cu.	10	∞	...	...	...	St.	10	q	Nb.	10	▲	⛯⁰ oh. to 1h. : ⛷ (gusts) 9h. 25m. to 15h. 30m. :
30	Nb.	10	≡⁰	Fr.-Nb.	10	d⁰	A.-St.	10	∞	A.-St.	10	∞	A.-Cu.	6	...	A.-St.	8	...	om *a* : oz to bc *p* : [● ▲ *n* : bx to oq :
31	St.-Cu.	9	≡⁰	—	0	≡⁰	Cu.	3	...	Cu.	6	∞	St.-Cu.	9	≡	Ci.	3	≡⁰	om to b *a* : b to of *p* : ≡ 18h. : ◫ 21h.
Mean Cloud Am'nt	—	6·7	—	—	5·7	—	—	6·5	—	—	*6·3	—	—	5·2	—	—	4·9	—	
G.M.T.	7h.			9h.			13h.			15h.			18h.			21h.			

* Mean for 26 days only.

465. Richmond (Kew Obs.). November, 1922.

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	Nb.	10	●⁰ ⌐	Nb.	10	●	Nb.	10	●	Nb.	10	●	Nb.	10	d⁰	A.-St.	<1	…	≠ (gusts) 8h. 45m. to 12h. : ormq *a* : ormq to
2	—	0	≡⁰	—	0	≡⁰	Fr.-Cu.	2	…	St.-Cu.	9	≡	A.-St.	2	≡	A.-Cu.	9	≡⁰	⌐ : bm to b *a* : b to oz *p* : [om *p* : b *n* :
3	Nb.	10	●≡⁰	Nb.	10	≡	Nb.	10	≡	Nb.	10	≡	St.	10	≡⁰	St.	10	≡	omr to ofd *a* : om to odm *p* : of to or *n* :
4	St.-Cu.	8	≡⁰	Fr.-Cu.	1	≡⁰	Fr.-Cu.	1	≡	Fr.-Cu.	2	≡	—	0	≡⁰	—	0	≡⁰	● to oh. 30m. : cm to bm *a* : bz *p* : ⌐ *n* :
5	Ci.	3	⌐	A.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	…	…	…	Nb.	10	●	Nb.	10	●	⌐ : ≡ 9h. 30m. to 11h. : bm to om *a* : om to or *p* :
6	Nb.	10	≡⁰	Cu.	6	≡⁰	Cu.	10	●⁰	Nb.	10	●	Fr.-Cu.	7	q	Nb.	7	q	bcm to or *a* : orq to cq *p* :
7	St.-Cu.	8	u	Ci.-Cu.	5	≡⁰	St.-Cu.	10	…	A.-Cu.	8	≡	A.-Cu.	7	≡	A.-Cu.	2	p	● 4h. 30m. to 5h. 30m. : or to bcm *a* : o to cz *p* :
8	St.-Cu.	10	≡⁰	St.	10	≡⁰	Nb.	10	≡⁰	A.-Cu.	8	≡	—	0	≡⁰	St.-Cu.	9	≡	p : om to omd *a* : om to bm *p* : ≡ *n* :
9	Ci.	3	≡⁰	—	0	≡⁰	Cu.	6	≡	Ci.-St.	6	≡	—	0	≡⁰	Ci.-Cu.	2	≡	≡ : bm to cz *a* : bcz to bm *p* : ≡ *n* :
10	Nb.	10	p⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	Nb.	10	●	St.-Cu.	10	≡	Nb.	8	●⁰	om : ●⁰ 9h. : ● 14h. to 17h. 40m. & 20h. 25m.
11	A.-Cu.	8	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	9	≡⁰	—	0	≡⁰	—	0	≡⁰	[to 21h. 10m.
12	—	0	≡	St.	10	≡	—	0	≡	…	…	…	St.	10	≡	St.	10	≡⁰	cm to om : bm *n* :
13	St.	9	≡⁰	St.-Cu.	9	≡⁰	—	0	≡	—	0	≡⁰	—	0	≡	St.	10	≡²	⌐ ≡ : bf to of : om to of *n* :
14	St.	10	≡²	St.	10	≡²	St.	10	≡²	St.	10	≡²	St.	10	≡²	St.	10	≡²	≡ : om to bz *a* : bm to bf *p and n* : ⌐ *n* :
15	St.	10	≡	St.	10	≡	St.	10	≡⁰	St.	10	≡⁰	—	0	≡⁰	—	0	≡²	≡ to 12h. : omg to bmw *p* : ≡ ⌐ *n* :
16	St.	10	≡²	St.	10	≡²	St.	10	≡	St.	10	≡	St.	10	…	St.	10	≡⁰	≡ : *a* : of to o *p* :
17	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	—	0	≡⁰	St.	4	≡⁰	om *a* : om to bm *p* :
18	A.-Cu.	5	≡⁰	St.-Cu.	3	≡⁰	St.-Cu.	10	≡	A.-Cu.	10	≡	St.-Cu.	10	≡	St.	10	…	bcm to oz *a* : oz *p* :
19	A.-Cu.	9	≡⁰	St.-Cu.	9	≡⁰	A.-St.	10	≡⁰	…	…	…	St.	10	≡⁰	St.	10	≡⁰	⌐ : omw to om :
20	St.-Cu.	7	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	≡	St.-Cu.	10	≡	A.-St.	10	≡⁰	St.	10	≡⁰	cmw to om :
21	St.	10	≡⁰	St.	10	≡	St.	10	≡	St.	10	≡	St.	10	≡	St.	10	≡	omw to of *a* : ofg to ofw *p* :
22	St.	10	≡	St.-Cu.	10	≡	St.	10	≡	St.	10	≡⁰	St.-Cu.	10	≡⁰	St.	10	≡⁰	≡ to 13h. 30m. : om *p* :
23	St.	10	≡	St.	10	≡	St.-Cu.	10	≡	St.-Cu.	10	≡	St.-Cu.	10	≡⁰	—	0	≡⁰	≡ : of to oz *a* : oz to om *p* : bm *n* :
24	St.-Cu.	10	≡⁰	Ci.-Cu.	8	≡⁰	St.-Cu.	10	≡	St.-Cu.	7	≡	St.-Cu.	1	≡⁰	—	0	≡	om to bcz *a* : oz to bm *p* : bx *n* :
25	A.-St.	2	⌐	—	0	≡	Ci.	2	⌐	Ci.-Cu.	2	⌐	—	0	≡	A.-Cu.	5	⌐	⌐ : ≡ 9h. : bmx *a* : bmx to bfx *p* :
26	St.-Cu.	3	≡⁰	St.-Cu.	8	≡⁰	A.-St.	10	≡⁰	…	…	…	St.	10	…	Ci.-St.	7	…	⌐⌐ : bmx to om *a* : om *p* : ●⁰ *a and p* :
27	A.-St.	1	⌐	A.-Cu.	10	⌐	—	0	≡	Ci.-Cu.	1	≡	—	0	⌐	—	0	⌐	⌐⌐ : bx to oz *a* : bz to bmx *p* :
28	St.	10	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	A.-Cu.	2	≡⁰	St.-Cu.	10	…	⌐⌐ : om *a* : om to bm *p* :
29	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	10	…	St.-Cu.	6	…	—	0	≡⁰	Cu.	7	≡⁰	b to o *a* : o to bm *p* :
30	St.-Cu.	9	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	9	≡⁰	St.-Cu.	10	≡⁰	om :
Mean Cloud Am'nt	—	7·5	—	—	8·0	—	—	8·0	—	—	* 8·0	—	—	5·6	—	—	6·4	—	

466. Richmond (Kew Obs.). December, 1922.

Day.	7h. Predominant type.	7h. Amount.	7h. Weather.	9h. Predominant type.	9h. Amount.	9h. Weather.	13h. Predominant type.	13h. Amount.	13h. Weather.	15h. Predominant type.	15h. Amount.	15h. Weather.	18h. Predominant type.	18h. Amount.	18h. Weather.	21h. Predominant type.	21h. Amount.	21h. Weather.	Remarks.
1	St.-Cu.	10	≡⁰	A.-Cu.	1	≡⁰	St.-Cu.	8	≡	Nb.	10	●	St.-Cu.	9	d_0	St.-Cu.	10	≡⁰	● 4h. 5m. to 5h. 30m. : om to bm *a* : orm to
2	St.-Cu.	10	≡⁰	A.-Cu.	9	≡⁰	St.-Cu.	6	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	p	om to bcm *a and p* : [om *p* :
3	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	A.-St.	10	≡⁰	…	…	…	St.	10	≡	St.	10	p	om :
4	St.	10	p	St.-Cu.	10	≡⁰	St.-Cu.	10	≡	St.-Cu.	10	≡	St.-Cu.	10	≡	St.-Cu.	10	≡⁰	≡ 10h. : omw to oz :
5	St.-Cu.	10	≡⁰	St.-Cu.	9	≡⁰	St.-Cu.	10	≡	St.-Cu.	6	≡	St.-Cu.	10	≡⁰	St.-Cu.	10	…	om *a* : bcz to om *p* :
6	A.-St.	3	…	A.-Cu.	6	…	St.-Cu.	9	…	Fr.-Cu.	9	…	—	0	…	Ci.-Haze	1	…	b to o :
7	Ci.-St.	3	⌐	Ci.-St.	10	⌐	St.-Cu.	10	≡⁰	St.-Cu.	9	≡	A.-Cu.	3	≡	St.-Cu.	10	…	⌐ : bmx to om *a* : om to bz *p* :
8	St.	10	≡⁰	St.	10	d_0	Nb.	10	≡⁰	St.-Cu.	10	≡⁰	St.	10	≡⁰	St.	10	p	om to od *a* : o to omg *p* : ●⁰ 11h. 30m. : ≡ *n* :
9	St.	2	≡	Str.	10	≡²	Ci.	4	⌐	A.-Cu.	5	≡⁰	St.-Cu.	5	⌐	St.	8	⌐	⌐ : bfx *a* : bcm to cm *p* :
10	St.-Cu.	7	p⁰	Cu.	8	≡⁰	St.-Cu.	10	≡⁰	…	…	…	St.	10	≡⁰	St.	10	≡⁰	●⁰ oh. 45m. to 1h. 10m. : ●⁰ p 7h. : cm to omp⁰ :
11	St.	10	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	≡	St.-Cu.	10	≡	St.-Cu.	9	≡⁰	St.	10	…	om to oz :
12	Nb.	10	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	St.	10	≡⁰	St.-Cu.	10	≡⁰	St.	10	…	om *a* : om to omd⁰ *p* :
13	St.-Cu.	10	≡⁰	Fr.-St.	10	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	St.	10	…	om :
14	St.-Cu.	7	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	9	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	…	bc to om *a* : om to cm *p* :
15	St.-Cu.	7	≡⁰	Ci.	7	⌐	Ci.	5	≡	Ci.	7	≡⁰	Ci.	8	≡⁰	A.-St.	10	≡⁰	≡ 8h. 30m. to 11h. 30m. : ⊕ 12h. 30m. : cfw to bm.
16	St.-Cu.	9	≡⁰	St.-Cu.	10	≡⁰	St.-Cu.	10	…	St.-Cu.	10	…	A.-Cu.	1	…	Nb.	10	d^0	● p^0 7h. 45m. : om to o *a* : od^0 to b *p* :
17	A.-Cu.	4	…	Cu.	3	≡⁰	Ci.	3	≡⁰	…	…	…	St.	10	≡⁰	Nb.	10	●	●⁰ 2h. 30m. : o to bm *a* : bm to omr *p* : [● *n* :
18	Nb.	10	≡	Ci.-Cu.	5	≡	A.-Cu.	8	≡⁰	Fr.-Cu.	2	≡⁰	A.-Cu.	4	≡⁰	Ci.-St.	4	…	● oh. 15m. to 1h. 50m. : of to bm *a* : bm to c *p* :
19	A.-St.	2	…	A.-St.	10	≡⁰	A.-Cu.	6	≡	Ci.-Cu.	2	≡	A.-Cu.	1	≡	Ci.-St.	3	≡⁰	● 2h. 30m. to 3h. 15m. : om to b *a* : bz to bm *p* :
20	Nb.	10	●	St.-Cu.	10	≡⁰	St.-Cu.	10	…	Fr.-Cu.	8	…	—	0	…	—	0	…	omqr to oqv *a* : cq to b *p* :
21	—	0	⌐	A.-Cu.	1	p	St.	10	≡⁰	Fr.-Nb.	10	●⁰	Nb.	10	●	Nb.	10	●	⌐ : bm to om *a* : orm to omq *p* : ● *n* :
22	Nb.	5	p_0	A.-Cu.	5	…	Nb.	7	p_0	Nb.	8	…	—	0	…	St.	1	…	● – 3h. 15m. : bc to cp^0o *a* : op to b *p* : ● ▲
23	St.-Cu.	7	…	Ci.	2	≡⁰	Cu.	8	≡	Ci.	6	≡	A.-Cu.	5	≡	Ci.-St.	1	…	● 4h. to 5h. : c to bm *a* : cz to b *p* : [13h. 20m.
24	—	0	⌐	A.-St.	1	⌐	St.-Cu.	7	≡⁰	…	…	…	—	0	…	—	0	⌐	⌐⌐ : bm to cm *a* : cm to bm *p* : ⌐ *n* :
25	St.-Cu.	9	…	A.-St.	10	≡⁰	Nb.	10	●⁰	…	…	…	Nb.	9	●	A.-St.	9	●⁰	⌐ : o to omrq *a* : or *p* :
26	A.-St.	1	⌐	Ci.	3	p	Ci.	7	≡	Ci.-Cu.	1	≡	—	0	≡⁰	—	0	p	⌐⌐ : bm to cz : ⌐ *n* :
27	St.-Cu.	8	…	Nb.	10	●⁰	Nb.	10	●⁰	Nb.	10	●	—	0	≡⁰	A.-St.	1	≡⁰	⌐⌐ : c to orm *a* : orm to bm *p* :
28	St.	9	⌐	A.-Cu.	1	p●⁰	—	0	≡	Ci.-Cu.	8	≡⁰	St.-Cu.	10	≡⁰	Nb.	10	●	⌐ : bx to o *a* : bz to om *p* : ● *n* :
29	St.-Cu.	9	≡⁰	A.-Cu.	7	≡⁰	St.-Cu.	9	≡	A.-St.	10	≡⁰	A.-St.	10	≡⁰	Nb.	10	●	om to cp^0 *a* : om to or^0 *p* : ● *n* :
30	A.-St.	1	…	St.-Cu.	9	≡	Cu.-Nb.	9	…	Nb.	7	…	Nb.	10	●	Nb.	10	≡⁰	● 1h. to 2h. : b to oqr *a* : c to or *p* : ● *n* :
31	Nb.	10	●	Nb.	10	●	Nb.	10	●	…	…	…	A.-St.	10	≡⁰	St.-Cu.	4	≡⁰	● 5h. 40m. to 15h. 20m. : orm to om :
Mean Cloud Am'nt	—	6·9	—	—	7·3	—	—	8·3	—	—	† 7·9	—	—	6·6	—	—	7·2	—	
G.M.T.	7h.			9h.			13h.			15h.			18h.			21h.			

* Mean for 26 days only.

† Mean for 25 days only.

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DAY.	JANUARY.				FEBRUARY.				MARCH.				APRIL.				MAY.				JUNE.			
	Character.	Air-Earth Current × 10^{16}.	Ionic Charge per cc. × 10^{16}. +	Ionic Charge per cc. × 10^{16}. −	Character.	Air-Earth Current × 10^{16}.	Ionic Charge per cc. × 10^{16}. +	Ionic Charge per cc. × 10^{16}. −	Character.	Air-Earth Current × 10^{16}.	Ionic Charge per cc. × 10^{16}. +	Ionic Charge per cc. × 10^{16}. −	Character.	Air-Earth Current × 10^{16}.	Ionic Charge per cc. × 10^{16}. +	Ionic Charge per cc. × 10^{16}. −	Character.	Air-Earth Current × 10^{16}.	Ionic Charge per cc. × 10^{16}. +	Ionic Charge per cc. × 10^{16}. −	Character.	Air-Earth Current × 10^{16}.	Ionic Charge per cc. × 10^{16}. +	Ionic Charge per cc. × 10^{16}. −
		Amp/cm².	Coulomb.			Amp/cm².	Coulomb.			Amp/cm².	Coulomb.			Amp/cm².	Coulomb.			Amp/cm².	Coulomb.			Amp/cm².	Coulomb.	
1	0	...	...	...	0	0·50	0·54	0·37	2	...	...	...	1	...	...	...	2	1·36	0·45	0·25	0	0·48	0·33	0·29
2	1	0·50	0·41	0·38	2	0·15	0·82	0·45	0	0·66	0·66	0·58	0	...	...	...	0	1·10	0·21	0·29	1	...	...	...
3	1	0·25	0·36	0·18	1	0·60	0·54	0·18	1	0·25	0·11	0·18	2	...	...	...	2	0·28	0·31	0·25	0	...	...	...
4	0	1·49	0·41	0·31	1	...	...	...	1	...	...	...	1	0·67	0·41	0·25	1	...	...	...	0	...	...	...
5	0	0·48	0·32	0·21	0	...	...	...	1	0·39	0·21	0·25	1	0·41	0·31	0·04	1	0·99	0·45	0·63	0	...	...	...
6	0	0·98	0·33	0·27	0	0·71	0·37	0·38	1	...	...	...	1	0·60	0·29	0·13	0	...	...	...	0	0·89	0·85	0·61
7	1	...	...	...	0	0·71	0·36	0·08	2	...	...	...	2	...	...	...	0	...	...	...	0	1·15	0·80	0·72
8	1	...	...	...	0	0·92	0·47	0·34	2	...	...	...	1	...	...	...	0	0·98	1·21	0·74	1	...	...	...
9	0	0·64	0·34	0·14	0	0·82	0·65	0·45	0	0·75	1·21	0·80	1	...	...	...	0	0·47	0·23	0·27	0	0·33	0·27	0·45
10	0	0·45	0·23	0·27	0	0·54	0·45	0·68	0	1·07	0·74	0·68	0	1·22	0·31	0·23	0	1·04	0·45	0·23	1	...	...	...
11	1	0·39	0·49	0·16	0	...	...	...	0	...	...	...	0	0·76	...	0·23	1	0·91	0·41	0·32	0	...	...	...
12	0	0·76	...	0·22	—	...	...	...	0	...	...	...	2	...	...	...	1	1·45	0·81	0·62	0	0·80	0·97	0·63
13	0	...	...	...	—	0·67	0·34	0·23	0	0·77	0·34	0·27	2	1·04	0·49	0·39	1	...	...	...	1	...	...	...
14	0	...	...	...	0	0·39	0·25	0·32	0	0·67	0·47	0·32	1	...	...	...	0	...	...	...	0	0·86	0·55	0·23
15	2	...	...	...	1	...	...	...	0	0·49	0·23	0·39	1	...	...	...	0	0·39	0·45	0·54	1	1·20	0·45	0·14
16	1	0·41	0·53	0·49	1	...	...	...	0	0·48	0·41	0·23	1	...	...	...	0	1·34	1·22	1·03	1	0·57	0·51	0·43
17	0	0·64	0·40	0·29	1	...	...	...	0	0·40	0·47	0·33	1	...	...	...	1	...	...	...	0	...	...	...
18	2	0·70	0·45	0·29	1	...	...	...	0	...	...	...	1	0·76	0·78	0·68	0	1·69	0·86	0·77	0	...	...	...
19	2	0·44	0·38	0·43	1	...	...	...	0	...	...	...	0	...	...	...	0	0·83	0·90	1·21	0	0·55	0·85	0·59
20	1	1·24	0·64	0·50	1	0·93	0·68	0·65	1	0·99	0·43	0·22	0	0·74	0·79	0·68	0	...	...	...	0	0·69	1·37	1·22
21	1	...	...	...	2	1·09	1·03	0·80	1	...	...	...	1	0·63	0·25	0·22	0	...	...	...	0	0·74	0·72	0·53
22	0	...	...	...	1	...	...	...	0	...	...	...	2	...	...	...	1	1·29	0·94	0·76	1	0·62	0·53	0·56
23	0	0·76	0·49	0·39	0	...	...	...	0	1·21	0·94	0·57	0	...	...	...	1	1·59	1·30	0·76	1	0·55	0·81	0·59
24	0	...	...	...	0	0·42	0·27	0·34	1	0·47	0·37	0·22	1	...	...	...	0	1·38	0·70	0·70	1	...	...	...
25	1	...	...	...	0	...	...	...	1	...	...	...	2	0·10	0·45	0·33	1	...	0·70	0·51	1	...	...	...
26	1	0·37	0·49	0·37	1	...	...	...	1	...	...	...	1	...	0·41	0·32	0	0·59	0·23	0·36	0	...	...	...
27	2	0·56	0·57	0·22	1	...	...	...	0	0·78	0·36	0·14	2	...	...	...	0	...	...	...	0	0·87	0·80	0·52
28	1	...	...	...	1	0·94	0·95	0·70	2	...	0·67	0·82	1	...	...	...	0	...	...	...	1	...	...	...
29	1	...	...	...	...	...	...	...	0	0·64	0·41	0·34	2	...	...	...	0	0·40	0·52	0·10	1	...	...	...
30	1	...	...	...	...	...	...	...	1	...	...	...	0	...	...	...	1	0·46	0·49	0·40	1	0·54	1·05	0·59
31	1	...	...	...	...	...	...	...	0	...	...	...	...	...	...	...	0	0·95	0·43	0·10	...	...	...	...
Mean	0·71	0·65	0·43	0·31	0·62	0·67	0·56	0·43	0·58	0·67	0·50	0·40	1·03	0·69	0·45	0·33	0·45	0·97	0·63	0·52	0·43	0·72	0·72	0·54
No. of Days used.	31	17	16		26	14			31	15	16		30	10			31	20	21		30	15		

DAY.	JULY.				AUGUST.				SEPTEMBER.				OCTOBER.				NOVEMBER.				DECEMBER.			
	Character.	Air-Earth Current × 10^{16}.	Ionic Charge per cc. × 10^{16}. +	Ionic Charge per cc. × 10^{16}. −	Character.	Air-Earth Current × 10^{16}.	Ionic Charge per cc. × 10^{16}. +	Ionic Charge per cc. × 10^{16}. −	Character.	Air-Earth Current × 10^{16}.	Ionic Charge per cc. × 10^{16}. +	Ionic Charge per cc. × 10^{16}. −	Character.	Air-Earth Current × 10^{16}.	Ionic Charge per cc. × 10^{16}. +	Ionic Charge per cc. × 10^{16}. −	Character.	Air-Earth Current × 10^{16}.	Ionic Charge per cc. × 10^{16}. +	Ionic Charge per cc. × 10^{16}. −	Character.	Air-Earth Current × 10^{16}.	Ionic Charge per cc. × 10^{16}. +	Ionic Charge per cc. × 10^{16}. −
		Amp/cm².	Coulomb.			Amp/cm².	Coulomb.			Amp/cm².	Coulomb.			Amp/cm².	Coulomb.			Amp/cm².	Coulomb.			Amp/cm².	Coulomb.	
1	1	...	...	...	1	...	...	...	1	...	...	...	1	...	...	...	1	...	...	...	1	...	...	...
2	1	...	...	...	0	0·84	0·49	0·59	1	...	...	...	0	0·92	0·31	0·12	0	1·33	0·49	0·31	0	...	...	...
3	0	0·52	0·59	0·39	1	1·56	0·81	0·39	0	...	...	...	0	1·04	0·41	0·31	2	...	...	...	0	...	...	...
4	1	...	...	...	1	1·11	0·31	0·22	0	0·54	0·31	0·45	1	...	...	...	1	...	...	...	0	0·91	0·32	0·21
5	1	...	...	...	0	...	...	...	0	0·94	0·83	0·33	1	0·65	0·68	0·41	2	...	...	...	0	0·49	0·37	0·27
6	2	0·53	0·31	0·49	1	...	...	...	0	0·78	0·53	0·41	0	1·00	0·39	0·32	2	...	...	...	0	0·68	0·54	0·25
7	2	...	...	...	1	...	...	...	0	1·10	1·19	0·78	0	...	...	...	1	0·68	0·52	0·25	0	0·21	0·18	0·29
8	1	...	...	...	1	1·27	1·03	0·82	0	1·15	0·39	0·43	0	...	...	...	0	0·46	0·25	0·27	1	0·30	0·50	0·35
9	1	...	...	...	1	...	...	...	0	...	...	...	0	0·58	0·47	0·35	0	0·56	0·43	0·39	1	...	...	...
10	0	0·36	0·84	0·65	0	1·73	0·62	0·43	0	...	...	...	1	0·81	0·45	0·38	1	...	...	...	1	...	...	...
11	1	0·12	0·50	0·27	1	...	...	...	0	...	...	...	1	0·81	0·85	0·35	0	...	...	...	0	0·31	0·37	0·32
12	0	0·24	0·31	0·32	1	...	...	...	1	1·06	0·77	0·43	0	1·21	0·35	0·20	0	...	...	...	0	0·26	0·27	0·23
13	1	1·29	0·56	0·14	0	...	...	...	1	...	...	...	0	2·47	0·72	0·31	1	0·47	0·41	0·16	0	0·37	0·37	0·25
14	1	...	...	...	1	1·09	0·56	...	2	0·68	0·50	0·14	0	...	...	...	0	0·25	...	...	0	0·74	0·47	0·18
15	2	...	...	...	0	0·87	1·11	0·88	0	0·62	0·49	0·43	0	...	...	...	0	...	...	...	0	0·62	0·39	0·25
16	1	...	...	...	0	1·36	1·53	0·94	0	...	...	...	0	0·99	0·43	0·36	0	0·38	...	0·23	1	...	...	...
17	0	0·58	0·64	0·45	0	1·32	0·49	0·65	1	...	...	...	0	1·14	0·43	0·29	0	0·49	0·39	...	1	...	...	...
18	1	0·42	0·32	0·21	0	1·08	...	0·23	0	0·62	1·04	0·76	1	...	...	...	0	...	...	...	1	0·54	0·45	0·29
19	0	0·57	0·47	0·56	0	...	...	...	2	...	...	...	1	0·93	0·51	0·38	0	...	...	...	1	0·67	0·41	0·29
20	0	1·10	0·86	0·45	0	...	...	...	0	0·36	0·35	0·32	2	...	...	...	0	0·32	0·52	0·27	1	1·10	0·31	0·21
21	1	0·91	0·82	0·77	1	1·40	0·47	0·25	0	1·09	0·65	0·33	1	...	...	...	1	0·20	0·66	...	2	...	...	...
22	1	...	...	...	1	0·49	0·65	0·39	0	0·56	0·49	0·45	1	...	...	...	0	0·26	0·52	0·33	1	...	...	...
23	1	...	...	...	0	0·75	1·05	1·15	0	...	...	...	0	...	...	...	0	0·53	0·41	0·40	1	...	...	...
24	1	0·89	0·52	0·21	1	...	...	...	1	...	...	...	0	1·13	0·27	0·29	0	0·30	0·49	0·39	0	...	...	...
25	0	0·89	0·51	0·50	0	0·37	0·65	0·27	0	0·52	0·38	0·16	0	1·40	0·45	0·23	0	...	...	...	2	...	...	...
26	0	0·56	0·51	0·33	0	...	...	...	0	1·04	0·70	0·43	0	1·21	0·45	0·40	1	...	...	...	0	...	...	...
27	0	0·79	0·33	0·31	0	...	...	...	1	...	...	...	1	0·47	0·54	0·41	0	0·39	0·39	0·40	2	...	...	...
28	1	...	...	...	1	1·40	0·86	0·38	1	...	...	...	0	...	...	...	0	0·63	0·56	0·21	1	0·55	0·43	0·31
29	0	...	...	...	1	1·17	0·77	0·62	0	0·63	0·41	0·54	1	...	...	...	0	0·81	0·16	0·32	1	0·19	0·32	0·41
30	1	...	...	...	1	...	1·00	0·85	1	...	...	...	1	0·92	0·43	0·20	0	0·33	0·40	0·41	2	...	...	...
31	1	0·59	0·83	0·80	1	...	...	...	...	...	...	...	0	0·79	0·41	...	...	...	...	...	2	...	...	...
Mean	0·77	0·65	0·50	0·43	0·55	1·03	0·79	0·59	0·43	0·78	0·60	0·43	0·45	1·03	0·48	0·31	0·43	0·49	0·42	0·32	0·74	0·53	0·38	0·27
No. of Days used.	31	16			31	16	15		30	15			31	18	17		30	17	13		31	15		

Mean Values for periods of sixty minutes, centered at the exact hours, Greenwich Mean Time.

468. Richmond (Kew Observatory). **1922.**

Day.	January. Factor 2·31.				February. Factor 2·15.				March. Factor 2·29.			
	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.
1	170	115	140	115	290	475	315	660	110	310	ε+	−490
2	55	140	200	425	250	−80	290	435	240	295	250	740
3	55	185	255	255	105	240	225	290	110	155	265	195
4	70	225	225	380	−130	−90	580	580	70	125	ε±	755
5	170	310	340	465	225	355	450	780	180	15	155	110
6	395	540	410	395	435	450	290	660	30	405	280	ε±
7	−370	−70	495	580	500	580	240	555	85	250	−450	590
8	455	225	255	395	225	620	435	685	−85	−365	240	−405
9	70	210	270	210	635	950	830	740	140	390	225	895
10	100	425	270	455	555	925	860	805	390	405	350	590
11	225	455	270	255	685	845	750	555	460	740	310	195
12	270	540	510	395	—	—	—	—	265	335	405	490
13	410	875	905	750	—	—	345	635	225	390	545	475
14	—	635	465	625	635	700	290	595	265	490	785	530
15	395	370	370	55	200	250	−55	−80	210	435	505	505
16	—	370	295	440	200	570	305	240	280	660	530	575
17	255	455	540	565	160	200	345	410	225	460	685	575
18	565	850	395	70	225	435	240	620	310	615	730	590
19	−295	70	440	−425	395	265	275	240	320	350	365	380
20	210	635	355	210	145	460	240	515	195	0	380	615
21	—	—	—	—	105	ε±	355	ε−	310	420	530	685
22	480	635	510	225	250	450	275	200	310	475	420	600
23	480	510	550	525	130	240	240	265	295	630	490	685
24	310	540	610	550	90	200	200	290	240	295	155	−15
25	—	610	−100	395	120	345	315	290	110	460	240	520
26	—	425	425	−15	145	130	−170	330	55	545	155	30
27	240	270	440	−255	240	515	210	240	295	295	280	645
28	100	495	370	−85	40	265	290	370	335	730	ε±	685
29	100	455	410	465					210	435	210	265
30	185	295	380	380					195	420	390	435
31	425	565	−225	565					490	785	320	225
(*a*)	258	428	396	391	279	455	353	479	232	411	377	503
(*b*)	213	397	372	305	270	411	331	450	234	385	351	434
Mean for day	(*a*) 368		(*b*) 322		(*a*) 392		(*b*) 365		(*a*) 381		(*b*) 351	

Richmond (Kew Observatory). **1922.**

Day.	April. Factor 2·25.				May. Factor 2·29.				June. Factor 2·18.			
	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.
1	−55	720	650	1,065	55	265	225	320	95	450	105	305
2	500	445	195	625	140	335	170	140	160	480	185	145
3	235	55	210	400	240	240	155	240	105	160	135	120
4	110	400	275	555	195	250	0	240	55	215	65	80
5	390	680	220	305	110	70	170	195	65	215	65	120
6	−360	390	180	330	265	310	225	520	135	410	265	335
7	220	470	−1,010	540	320	320	155	180	265	465	305	385
8	210	250	210	1,345	195	475	125	180	320	440	560	345
9	540	415	275	455	110	420	125	210	95	120	80	135
10	345	555	305	695	110	210	420	365	135	120	120	175
11	445	775	525	390	225	225	645	295	160	160	105	160
12	150	235	−360	−15	170	545	210	365	65	215	135	295
13	−15	265	235	390	240	225	180	265	105	145	105	95
14	110	320	235	95	100	170	110	225	40	185	215	305
15	85	195	−70	180	140	280	125	225	160	215	400	345
16	55	140	−220	55	225	210	225	335	255	505	145	95
17	85	235	235	415	30	125	250	310	80	160	105	120
18	195	290	235	125	—	70	195	250	105	135	80	145
19	95	445	—	445	—	—	140	210	15	105	120	120
20	375	470	220	540	210	240	170	310	135	120	105	215
21	110	445	430	210	180	250	195	155	160	160	80	95
22	ε−	40	−220	195	155	240	110	335	185	160	95	185
23	110	220	140	125	−15	15	170	210	95	200	105	225
24	110	210	220	180	140	490	195	250	145	135	120	200
25	95	220	55	−815	210	335	225	140	95	120	105	135
26	70	265	ε±	390	110	195	140	155	95	135	160	135
27	110	320	ε±	250	195	225	170	155	135	120	120	160
28	250	320	ε±	30	110	125	100	110	95	185	105	−865
29	110	375	150	−415	125	265	170	110	200	185	ε±	280
30	165	110	110	150	170	380	125	110	185	175	135	160
					170	240	195	420				
(*a*)	203	342	253	388	166	258	187	243	131	219	153	193
(*b*)	173	355	146	317	160	265	189	244	128	221	153	154
Mean for day	(*a*) 297		(*b*) 248		(*a*) 214		(*b*) 215		(*a*) 174		(*b*) 164	

NOTE.—The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the following notation is used: ε +, Indeterminate, positive value; ε−, Indeterminate, negative value; ε±, Indeterminate in magnitude and sign.

(*a*) Mean from all positive readings.

(*b*) Mean from all complete days using both positive and negative readings.

Mean Values for periods of sixty minutes centered at the exact hours, Greenwich Mean Time.

468. Richmond (Kew Observatory). **1922.**

Day.	July. Factor 2·32.				August. Factor 2·31.				September. Factor 2·11.			
	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.
1	185	185	140	225	140	240	55	140	260	335	−25	360
2	85	155	100	55	185	340	140	285	260	325	−255	375
3	130	155	115	215	155	300	140	355	350	325	130	220
4	200	115	100	225	85	470	225	70	140	230	195	325
5	225	185	100	0	215	400	370	340	205	325	140	205
6	30	170	100	170	170	270	170	130	50	260	245	260
7	140	215	ε ±	400	270	140	140	370	170	515	295	295
8	130	225	70	140	140	215	170	270	170	270	180	295
9	55	70	55	155	155	240	ε ±	225	90	260	205	295
10	140	240	115	155	155	325	255	340	130	230	115	310
11	225	370	85	130	270	325	ε ±	310	170	285	285	195
12	140	170	100	115	225	270	100	130	350	505	170	−270
13	55	185	215	215	140	255	155	185	90	295	245	425
14	140	100	155	385	155	510	270	300	295	415	270	−170
15	−270	325	170	525	200	300	185	170	50	230	195	155
16	170	55	15	70	200	215	170	355	130	310	155	130
17	115	225	140	255	115	185	200	225	50	65	105	180
18	55	85	200	225	170	285	170	270	130	220	140	385
19	115	215	140	130	300	340	130	240	115	−245	40	40
20	170	200	155	255	55	185	155	185	15	205	170	270
21	130	155	140	115	140	385	155	340	105	155	180	155
22	115	285	100	285	70	225	130	270	15	155	170	105
23	115	130	15	115	55	270	185	170	180	245	230	310
24	0	240	225	285	155	310	85	225	40	105	195	230
25	130	340	140	240	100	215	155	270	555	140	180	260
26	155	225	115	130	240	440	170	370	130	130	180	140
27	100	270	130	455	115	185	170	325	25	40	90	230
28	115	310	130	115	−45	185	170	225	65	155	195	105
29	200	240	140	215	140	240	140	170	155	325	245	325
30	85	115	85	170	115	ε ±	—	55	205	450	270	270
31	200	225	70	355	100	285	ε ±	495				
(*a*)	128	200	119	210	158	285	169	252	156	250	186	245
(*b*)	115	199	119	204	150	285	169	249	156	242	164	214
Mean for day.	(*a*) 164		(*b*) 159		(*a*) 216		(*b*) 213		(*a*) 209		(*b*) 194	

Richmond (Kew Observatory). **1922.**

Day.	October. Factor 2·28.				November. Factor 2·37.				December. Factor 2·22.			
	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.
1	125	265	280	30	320	−365	60	435	95	490	−135	245
2	180	100	280	265	235	565	305	685	230	410	245	245
3	250	350	265	350	395	420	190	655	135	205	270	545
4	140	320	140	ε −	305	305	320	625	230	420	325	365
5	70	280	110	305	495	580	365	−465	150	460	420	270
6	195	265	490	445	85	205	ε −	ε ±	120	365	355	355
7	265	430	430	530	145	350	420	465	340	475	285	260
8	180	320	295	350	235	510	405	—	175	205	775	750
9	250	500	445	460	—	—	350	290	680	695	545	460
10	375	110	530	640	145	235	275	75	230	420	285	380
11	320	560	195	335	525	465	320	305	110	300	325	410
12	280	445	235	420	350	480	290	405	110	205	220	190
13	280	305	280	475	405	450	235	75	110	260	300	285
14	350	430	475	250	755	800	685	725	165	270	380	365
15	235	390	—	—	685	555	525	405	15	270	435	395
16	—	—	615	420	700	685	580	450	220	270	175	245
17	280	405	570	460	205	565	420	420	55	315	545	−25
18	350	335	490	560	290	365	290	275	80	800	475	505
19	280	615	560	460	175	260	290	220	ε ±	460	475	460
20	−100	210	265	235	235	450	395	305	15	150	365	490
21	235	210	515	420	320	190	235	190	220	530	300	−315
22	225	210	375	570	245	350	580	85	ε ±	95	ε ±	270
23	155	545	445	585	235	380	555	350	70	315	285	515
24	445	560	420	445	365	540	405	580	190	460	315	545
25	265	460	530	—	395	420	755	540	420	220	95	190
26	—	1,170	560	710	395	420	−100	365	245	515	355	680
27	545	545	420	545	260	555	480	540	270	−260	−1,195	625
28	180	725	560	615	395	320	305	365	110	420	420	−355
29	335	490	460	335	235	465	305	525	95	325	175	95
30	100	250	530	545	290	565	480	565	40	380	460	530
31	210	545	320	515					325	−490	−55	610
(*a*)	254	411	403	438	338	445	387	405	181	370	356	403
(*b*)	245	385	394	429	351	421	369	377	181	325	267	340
Mean for day.	(*a*) 377		(*b*) 363		(*a*) 394		(*b*) 380		(*a*) 328		(*b*) 278	

(*a*) Mean from all possible readings.
(*b*) Mean from all complete days, using both positive and negative readings.
The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the following notation is used: ε +, Indeterminate, positive value; ε −, Indeterminate, negative value; ε ± Indeterminate in magnitude and sign.

POTENTIAL GRADIENT (reduced to level surface); DIURNAL INEQUALITIES (in volts per metre).

The departures from the mean of the day are adjusted for non-cyclic change.

SELECTED QUIET DAYS.

469. Richmond (Kew Observatory). **1922.**

Month and Season.	Hour. 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	Midt.	Non-cyclic change	Mean values.
	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m
Jan.	—100	—119	—100	**—121**	—116	—106	— 37	+ 45	+ 68	**+115**	+ 66	+ 53	+ 43	+ 69	+ 45	+ 4	+ 56	+103	+106	+ 82	— 17	— 42	— 38	— 59	+ 65	420
Feb.	— 7	— 74	—115	—123	—122	**—135**	—109	— 2	+ 74	+ 78	+ 49	+ 13	— 34	— 66	— 46	— 25	+ 41	+105	+ 88	**+114**	+113	+ 98	+ 54	+ 30	— 26	461
Mar.	— 95	—139	—150	**—195**	—168	—106	— 34	+ 39	+ 56	+ 41	+ 45	+ 44	+ 22	+ 17	+ 13	+ 60	+ 83	+102	+ 99	+114	**+116**	+ 72	— 1	— 37	— 13	447
April	— 43	— 85	**—105**	— 83	— 48	— 15	+ 44	+116	+ 98	+ 65	— 27	— 43	— 85	— 93	— 84	— 22	— 9	+ 8	+ 55	+ 83	**+127**	+ 90	+ 53	— 1	...	378
May	— 12	— 23	— 27	— 23	+ 5	+ 28	+ 66	**+ 66**	+ 44	+ 12	— 21	— 27	— 32	— 32	**— 40**	— 27	— 13	— 14	+ 2	+ 31	+ 19	+ 12	+ 14	— 11	— 6	200
June	— 17	— 27	— 33	— 40	**— 44**	— 29	+ 37	**+ 83**	+ 69	+ 43	— 5	— 33	— 43	— 40	— 39	— 21	— 9	+ 15	+ 41	+ 44	+ 31	+ 16	+ 16	— 11	+ 32	177
July	— 42	— 41	— 27	— 18	+ 8	+ 60	**+113**	+ 80	+ 58	+ 19	— 7	— 24	— 29	— 45	**— 47**	— 44	— 31	— 35	— 17	+ 17	+ 35	+ 32	+ 3	— 18	+ 24	174
Aug.	— 40	**— 72**	— 58	— 29	+ 13	+ 51	**+ 79**	+ 65	+ 49	+ 10	— 16	— 13	— 37	— 39	— 33	— 38	— 40	— 8	+ 30	+ 52	+ 60	+ 24	+ 16	— 28	+ 13	228
Sept.	— 36	— 54	**— 57**	— 50	— 28	+ 24	+ 61	+ 49	+ 60	+ 25	— 9	— 29	— 25	— 14	— 10	— 19	— 13	— 13	+ 33	+ 57	**+ 63**	+ 22	+ 1	— 41	— 9	221
Oct.	— 79	—109	—124	**—132**	—107	— 75	— 39	+ 10	+ 50	+ 38	— 5	— 19	— 2	— 14	+ 3	+ 29	+ 117	**+134**	+126	+126	+ 78	+ 38	+ 5	— 49	— 38	369
Nov.	— 34	**— 94**	— 56	— 55	— 61	— 65	— 43	+ 10	+ 43	+ 50	+ 50	+ 69	+ 63	+ 52	+ 67	**+ 74**	+ 43	+ 18	— 1	— 37	— 45	— 20	+ 3	— 30	— 31	422
Dec.	— 86	—103	**—123**	—117	—110	— 83	— 37	+ 25	+ 61	+ 90	+ 58	+ 28	+ 3	+ 1	— 7	+ 56	+ 81	**+ 92**	+ 89	+ 64	+ 55	+ 27	— 8	— 57	+ 53	317
Year	— 49	— 78	— 81	**— 82**	— 65	— 38	+ 8	+ 49	+ 61	+ 49	+ 15	+ 2	— 13	— 17	— 15	+ 2	+ 25	+ 42	+ 54	**+ 62**	+ 53	+ 31	+ 10	— 26	...	318
Winter	— 57	— 98	— 98	**—104**	—102	— 98	— 56	+ 19	+ 62	**+ 83**	+ 55	+ 41	+ 19	+ 14	+ 15	+ 27	+ 55	+ 80	+ 70	+ 55	+ 27	+ 15	+ 3	— 29	...	405
Eqnx.	— 63	— 97	—109	**—115**	— 88	— 43	+ 8	+ 53	+ 66	+ 43	+ 1	— 12	— 22	— 26	— 19	+ 12	+ 44	+ 58	+ 78	+ 95	**+ 96**	+ 56	+ 15	— 32	...	354
Sumr.	— 28	**— 41**	— 36	— 27	— 4	+ 27	**+ 74**	**+ 74**	+ 55	+ 21	— 12	— 24	— 35	— 39	— 40	— 33	— 23	— 11	+ 14	+ 36	+ 36	+ 21	+ 12	— 17	...	195

AIR POLLUTION: HOURLY MEANS FOR EACH MONTH (milligrams per cubic metre).

COMPLETE DAYS ONLY.

470. Richmond (Kew Observatory). **1922.**

Month and Season.	Hour. 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	Midt.	Mean	No. of days used.
	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	
Jan.	·285	·298	·218	·182	**·160**	·240	·333	·502	·525	·582	·573	·547	·547	·525	·582	·733	**·800**	·765	·733	·755	·720	·595	·445	·285	·497	28
Feb.	·320	·294	·259	**·234**	**·234**	·333	·454	·592	·592	·554	·518	·454	·467	·419	·442	·480	·541	**·627**	·614	·627	**·627**	·592	·518	·381	·466	26
Mar.	·362	·310	·301	**·288**	·310	·445	·566	·547	·566	·557	·528	·506	·474	·432	·432	·413	·415	·557	·579	·557	**·589**	·528	·404	·394	·464	31
April	·262	·227	**·218**	·285	·387	·525	**·560**	·538	·467	·378	·355	·342	·307	·342	·342	·355	·387	·387	·422	·502	·467	·422	·387	·320	·382	28
May	·259	·259	·320	·310	·362	·445	**·464**	·394	·371	·310	·259	·237	·237	·227	**·186**	·208	·218	·218	·218	·288	·339	·310	·310	·288	·293	31
June	·202	·182	·170	·224	·278	·342	**·394**	·352	·320	·278	·224	·160	**·150**	·170	·214	·182	·170	·182	·192	·182	·234	·202	·202	·182	·225	30
July	·186	·218	·218	·227	·259	·288	**·362**	·301	·288	·269	·246	·259	·208	·218	·237	·237	·218	·246	·237	·246	·269	·237	·227	**·176**	·245	31
Aug.	**·243**	·266	·310	·342	·387	·429	**·451**	·429	·397	·352	·320	·310	·288	·275	·288	·266	·275	·310	·310	·310	·352	·320	·330	·275	·326	29
Sept.	·435	·422	·400	·413	·435	·480	**·595**	·573	·525	·480	·387	·365	**·342**	·365	·387	·413	·413	·480	·445	·493	·502	·435	·435	·400	·443	28
Oct.	·355	·368	·355	**·342**	·381	·403	·522	·618	**·710**	·618	·534	·499	·426	·381	·368	·416	·534	·640	·662	·653	·592	·579	·544	·461	·498	27
Nov.	·502	·474	·458	·432	**·403**	·416	·432	·570	·682	**·710**	·640	·570	·515	·486	·544	·557	·640	·627	·627	·694	·682	·682	·611	·528	·563	23
Dec.	·214	·160	·160	·128	·160	·170	·278	·384	·438	·438	·438	·406	·394	·362	·352	·374	·470	**·470**	·426	·406	·362	·320	·278	·224	·326	30
Year	·302	·290	**·282**	·284	·313	·376	·451	·483	**·490**	·460	·418	·388	·363	·350	·364	·386	·426	·459	·455	·476	·478	·435	·396	·326	·394	342
Winter	·330	·307	·274	·244	**·239**	·290	·374	·512	·559	·571	·542	·494	·481	·448	·480	·536	·613	**·622**	·600	·621	·598	·547	·463	·354	·463	107
Eqnx.																										
Spring	·312	·269	**·259**	·287	·349	·485	**·563**	·543	·517	·467	·441	·424	·391	·387	·387	·384	·416	·472	·501	·529	·528	·475	·425	·357	·423	59
Autm.	·395	·395	·377	·377	·408	·441	·559	·595	**·617**	·549	·461	·432	·384	**·373**	·377	·415	·473	·560	·553	·573	·547	·507	·489	·431	·471	55
Sumr.	·223	·231	·254	·276	·322	·376	**·418**	·369	·344	·302	·262	·241	·221	·223	·231	·223	**·220**	·239	·239	·257	·299	·267	·267	·230	·272	121

AIR POLLUTION: DIURNAL INEQUALITIES (milligrams per cubic metre).

The departures from the mean of the day are adjusted for non-cyclic change.

471. Richmond (Kew Observatory). **1922.**

Month and Season.	Hour. 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	Midt.	Non-cyclic change	Range
	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³
Jan.	—·218	—·204	—·284	—·319	—·341	—·260	—·167	+·003	+·026	+·084	+·076	+·050	+·050	+·029	+·087	+·238	**+·306**	+·271	+·240	+·262	+·228	+·103	+·046	—·206	—·013	·047
Feb.	—·152	—·177	—·212	—·236	**—·236**	—·136	—·015	+·124	+·124	+·087	+·052	—·012	+·001	—·046	—·022	+·016	+·078	+·164	+·152	+·165	**+·166**	+·131	+·058	—·079	—·013	·402
Mar.	—·096	—·149	—·158	**—·172**	—·150	—·016	—·105	+·085	+·104	+·094	+·064	+·042	+·010	—·033	—·034	—·053	—·022	+·090	+·111	+·089	**+·120**	+·059	+·006	—·076	+·013	·292
April	—·110	—·146	**—·156**	—·090	+·011	+·148	**+·183**	+·160	+·088	—·002	—·026	—·040	—·076	—·042	—·043	—·031	·000	·000	+·034	+·113	+·077	+·031	+·005	—·073	+·022	·339
May	—·029	—·030	—·031	+·020	+·072	+·154	**+·173**	+·103	+·079	+·018	—·034	—·056	—·056	—·067	**—·108**	—·087	—·077	—·077	—·078	—·008	+·042	+·013	+·012	—·010	+·010	·281
June	—·032	—·051	—·062	—·008	+·047	+·112	**+·165**	+·124	+·093	+·051	—·002	—·065	**—·074**	—·053	—·009	—·040	—·051	—·038	—·027	—·036	+·016	—·015	—·014	—·033	—·020	·239
July	—·054	—·023	—·023	—·015	+·017	+·045	**+·119**	+·058	+·044	+·025	+·001	+·014	—·037	—·028	—·009	—·010	—·029	—·001	—·011	—·002	+·020	—·012	—·023	**—·074**	+·010	·193
Aug.	**—·079**	—·056	—·013	+·019	+·064	+·105	**+·127**	+·104	+·072	+·027	—·006	—·016	—·038	—·052	—·039	—·061	—·053	—·018	—·019	—·019	+·023	—·010	·000	—·055	+·009	·206
Sept.	—·018	—·030	—·051	—·037	—·014	+·032	**+·147**	+·126	+·079	+·035	—·057	—·078	**—·100**	—·076	—·053	—·026	—·025	+·042	+·008	+·057	+·067	+·001	+·002	—·032	—·022	·247
Oct.	—·133	—·120	—·134	**—·148**	—·110	—·089	+·029	+·124	**+·215**	+·122	+·037	+·001	—·073	—·119	—·133	—·086	+·031	+·136	+·157	+·147	+·085	+·071	+·036	—·048	+·023	·363
Nov.	—·080	—·106	—·121	—·145	**—·172**	—·157	—·140	·000	+·056	+·114	+·144	+·075	+·007	—·046	—·074	—·014	+·001	+·086	+·074	+·076	**+·145**	+·135	+·136	+·067	—·014	—·042	·317
Dec.	—·117	—·170	—·170	**—·201**	—·169	—·158	—·050	+·056	+·111	+·111	+·112	+·080	+·068	+·037	+·027	+·050	+·146	**+·146**	+·103	+·082	+·040	—·002	—·043	—·097	—·010	·347
Year	—·093	—·105	**—·113**	—·111	—·082	—·018	+·056	+·089	**+·096**	+·066	+·024	—·006	—·031	—·044	—·029	—·007	+·033	+·066	+·062	+·083	+·085	+·042	+·003	—·066	...	·209
Winter	—·142	—·164	—·197	—·225	**—·230**	—·178	—·093	+·046	+·094	+·106	+·079	+·031	+·018	—·013	+·020	+·076	+·154	**+·164**	+·143	**+·164**	+·142	+·092	+·009	—·099	...	·394
Eqnx	—·089	—·111	**—·125**	—·112	—·066	+·019	+·116	**+·124**	+·122	+·062	+·004	—·019	—·060	—·068	—·060	—·049	—·004	+·067	+·077	+·101	+·087	+·041	+·007	—·057	...	·249
Sumr.	—·049	—·040	—·017	+·004	+·050	+·104	**+·146**	+·097	+·072	+·030	—·010	—·031	—·051	—·050	—·041	—·049	**—·052**	—·033	—·034	—·016	+·025	—·006	—·006	—·043	...	·198

DIURNAL INEQUALITIES OF DECLINATION AND HORIZONTAL FORCE.

Departures from the mean of the day corrected for non-cyclic change.

DECLINATION (Measured positive towards the West) (*Ordinary days*).

472. Richmond (Kew Observatory). **1922.**

Month and Season.	Hour. 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	Midt.
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan.	−1·10	−1·01	−0·28	−0·21	+0·11	+0·19	−0·24	−0·73	−0·47	+0·41	+1·21	+2·26	**+2·35**	+1·77	+1·18	+0·57	+0·29	+0·17	−0·47	−1·11	0·88	**−1·70**	−1·29	−1·11
Feb.	−0·74	−0·40	−0·75	−1·05	−0·98	−0·49	−0·35	−0·28	+0·13	+1·28	+2·41	+2·95	**+2·99**	+2·44	+1·48	+0·75	+0·42	+0·26	−0·33	−1·60	−2·05	**2·33**	2·21	−1·49
Mar.	−0·79	−0·66	−0·50	−0·41	−0·54	−0·82	−1·01	−2·39	**−2·58**	−1·44	+0·97	+3·83	**+5·09**	+4·92	+4·23	+2·70	+0·60	0·10	−0·91	−1·82	−2·35	−2·27	−2·28	−1·42
Apr.	−1·27	−1·38	−1·21	−0·84	−1·09	−1·63	−2·24	**−3·07**	−2·83	−1·11	+1·32	+4·17	**+6·25**	+5·94	+4·82	+3·14	+1·41	−0·41	−0·97	−2·56	−2·02	−2·03	−1·04	−1·06
May	−0·78	−0·74	−1·14	−1·54	−2·42	−3·24	−3·55	**−3·82**	−2·77	−0·70	+1·86	+4·27	**+5·32**	+5·14	+4·17	+2·75	+1·63	+0·50	0·00	−0·25	−1·10	−0·94	−1·21	−1·30
June	−0·93	−1·70	−1·69	−2·16	−3·29	**−4·19**	−4·11	−3·78	−2·58	−0·65	+1·71	+3·96	+5·12	**+5·41**	+4·70	+3·44	+2·30	+1·10	+0·95	+0·29	−0·88	−0·90	−1·15	−1·05
July	−0·90	−0·85	−1·09	−1·88	−2·94	**−3·83**	−3·68	−3·58	−2·67	−0·90	+0·17	+3·53	+5·17	**+5·72**	+4·56	+3·17	+2·03	−0·58	+0·42	+0·13	−0·55	−0·53	−0·88	−1·22
Aug.	−1·26	−1·45	−1·33	−1·79	−2·73	**−3·47**	−3·46	−2·96	−1·40	+0·66	+2·95	+5·02	**+5·87**	+5·31	+4·11	+2·35	+1·10	+0·02	−0·53	−1·20	−1·59	−1·40	−1·25	−1·55
Sept.	−0·70	−1·43	−1·67	−1·55	−1·47	−1·24	−1·92	**−2·22**	−1·38	+0·41	+2·75	+4·57	**+5·12**	+4·17	+2·83	+1·55	+0·09	−0·24	−0·86	−1·19	−1·32	−1·64	−1·43	−1·32
Oct.	−1·28	−0·88	−0·85	−0·76	−0·73	−0·73	−1·05	−1·93	−2·23	−0·87	+1·87	+4·14	**+4·62**	+4·59	+3·24	+2·27	+0·69	−0·08	−0·58	−1·33	**2·26**	2·00	−1·90	−1·89
Nov.	−0·68	−0·35	−0·23	−0·16	−0·25	−0·42	−0·47	−0·80	−0·97	−0·02	+1·50	+2·71	**+2·79**	+2·18	+1·28	+0·92	+0·40	−0·51	−0·54	−1·08	**−1·55**	−1·47	−1·35	−0·87
Dec.	−0·44	−0·13	−0·11	−0·22	−0·34	−0·42	−0·36	−0·22	−0·06	+0·67	+1·39	+1·91	**+2·11**	+1·65	+1·21	+0·76	+0·32	−0·01	−0·90	−1·20	−1·42	**−1·60**	−1·43	−1·21
Year	−0·91	−0·91	−0·90	−1·05	−1·39	−1·69	−1·87	**−2·15**	−1·65	−0·19	+1·68	+3·61	**+4·40**	+4·10	+3·15	+2·03	+0·95	+0·17	−0·39	−1·08	−1·50	−1·57	−1·50	−1·34
Winter	−0·74	−0·47	−0·34	−0·41	−0·37	−0·29	−0·36	−0·51	−0·34	+0·58	+1·63	+2·46	**+2·56**	+2·01	+1·29	+0·75	+0·36	+0·02	−0·56	−1·25	−1·47	**−1·77**	−1·57	−1·17
Eqnx.	−1·01	−1·09	−1·06	−0·89	−0·96	−1·11	−1·55	**−2·40**	−2·26	−0·75	+1·73	+4·18	**+5·27**	+4·90	+3·78	+2·41	+0·70	0·00	−0·81	−1·72	−1·99	−1·99	−1·81	−1·57
Sumr.	−0·97	−1·18	−1·31	−1·84	−2·85	−3·68	**−3·70**	−3·54	−2·36	−0·40	+1·67	+4·19	+5·37	**+5·39**	+4·38	+2·93	+1·78	+0·55	+0·21	−0·26	−1·04	−0·94	−1·12	−1·28

DECLINATION (*Quiet days*).

473. Richmond (Kew Observatory). **1922.**

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan.	−0·93	−0·60	−0·11	+0·06	+0·09	−0·17	−0·64	**−1·19**	−1·14	−0·47	+0·70	+1·87	**+2·44**	+2·13	+1·06	+0·65	+0·24	+0·09	−0·15	−0·30	−0·51	−1·18	−0·89	−1·08
Feb.	−0·06	−0·23	−0·48	−0·39	−0·90	**−1·31**	−1·15	−1·02	−0·95	+0·08	+1·63	+2·70	**+2·77**	+2·12	+1·43	+0·28	−0·25	−0·39	−0·80	−0·63	−0·52	−0·61	−0·66	−0·77
Mar.	−0·35	−0·33	−0·66	−0·41	−0·17	−0·97	−1·45	−2·77	**−3·47**	−1·90	+0·24	+3·34	+4·33	**+4·58**	+3·55	+1·54	−0·10	−0·43	−0·46	−0·46	0·82	−1·25	−0·78	−0·70
April	−0·43	−0·55	−0·90	−1·17	−1·35	−1·76	−2·85	**−4·39**	−4·24	−2·47	+0·51	+3·16	**+5·07**	+4·85	+3·68	+2·03	+0·97	+0·34	+0·29	+0·31	−0·08	−0·17	−0·41	−0·38
May	−0·85	−0·66	−0·54	−0·67	−1·60	−3·39	−4·46	**−4·85**	−3·71	−1·34	+1·29	+3·64	+4·87	**+5·08**	+4·19	+2·85	+1·50	+0·33	+0·26	+0·15	−0·14	−0·48	−0·01	−0·66
June	−0·49	−1·21	−1·68	−1·99	−3·45	−4·54	**−4·81**	−4·81	−3·44	−1·23	+1·35	+4·16	**+5·25**	+5·17	+4·34	+3·05	+1·97	+1·36	+0·85	+0·47	0·00	+0·23	−0·13	−0·70
July	−0·68	−0·83	−1·21	−1·48	−2·74	−3·79	−3·91	**−3·92**	−2·56	−0·39	+1·67	+3·76	**+5·31**	+5·31	+3·94	+2·14	+0·99	+0·07	+0·02	−0·40	−0·33	−0·29	−0·34	−0·30
Aug.	−0·52	−0·39	−1·00	−1·29	−2·06	−2·53	−2·64	**−2·95**	−2·16	−0·07	+1·84	+3·67	**+4·30**	+3·89	+3·12	+1·65	+0·60	−0·03	−0·60	−0·21	−0·24	−0·77	−0·74	−0·67
Sept.	−0·58	−0·67	−1·11	−1·50	−1·70	−1·79	−2·25	**−2·97**	−2·12	−0·60	+1·91	+3·95	**+4·57**	+3·84	+2·42	+1·21	+0·55	+0·05	−0·12	−0·22	−0·53	−0·95	−0·74	0·70
Oct.	−0·89	−0·64	−0·88	−0·76	−0·30	−0·87	−1·57	−2·47	**−2·69**	−1·10	+1·04	+3·02	+3·38	**+3·40**	+2·45	+1·33	+0·91	+0·45	+0·22	−0·54	−0·54	−0·92	−0·79	−1·15
Nov.	−0·29	+0·12	−0·16	+0·08	−0·17	−0·47	−1·09	−1·56	**−1·66**	−0·56	+1·03	+2·35	**+2·63**	+2·08	+1·30	+0·68	+0·45	+0·11	−0·31	−0·54	−1·20	−1·10	−1·01	−0·61
Dec.	−0·08	+0·17	0·00	+0·11	−0·18	−0·41	−0·53	−0·62	−0·29	+0·54	+1·25	+1·76	**+1·77**	+1·06	+0·53	+0·26	−0·07	−0·33	−0·54	−0·77	**−1·10**	−1·09	−1·04	−0·47
Year	−0·51	−0·48	−0·73	−0·78	−1·21	−1·83	−2·28	**−2·79**	−2·37	−0·79	+1·21	+3·11	**+3·89**	+3·63	+2·67	+1·47	+0·65	+0·13	−0·11	−0·26	−0·50	−0·71	−0·68	−0·73
Winter	−0·34	−0·13	−0·19	−0·03	−0·29	−0·59	−0·85	**−1·10**	−1·01	−0·10	+1·15	+2·17	**+2·40**	+1·85	+1·08	+0·47	+0·09	−0·13	−0·45	−0·56	−0·83	−0·99	−0·89	−0·73
Eqnx.	−0·56	−0·55	−0·89	−0·96	−0·88	−1·35	−2·03	**−3·15**	−3·13	−1·52	+0·92	+3·37	**+4·34**	+4·17	+3·02	+1·53	+0·58	+0·10	−0·02	−0·23	−0·49	−0·82	−0·68	−0·76
Sumr.	−0·63	−0·77	−1·11	−1·36	−2·46	−3·56	−3·95	**−4·13**	−2·97	−0·76	+1·54	+3·81	**+4·93**	+4·86	+3·90	+2·42	+1·27	+0·43	+0·12	0·00	−0·18	−0·33	−0·46	−0·69

HORIZONTAL FORCE (*Quiet days*).

474. Richmond (Kew Observatory). **1922.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan.	− 5·6	− 5·3	− 5·3	− 4·0	− 0·7	+ 3·2	+ 4·6	+ 3·5	+ 0·2	− 5·9	**− 7·8**	− 6·7	+ 0·1	+ 3·5	+ 4·2	+ 4·6	+ 5·5	**+ 8·6**	+ 4·5	+ 3·4	+ 1·8	− 0·1	− 1·6	− 3·6
Feb.	− 2·6	− 3·4	**− 5·1**	− 3·4	− 1·9	+ 1·0	+ 5·3	**+ 7·4**	+ 5·2	+ 2·3	− 0·3	− 3·5	− 3·0	− 0·3	− 1·6	**− 5·1**	− 3·8	− 0·2	+ 1·0	+ 1·7	+ 3·5	+ 4·7	− 2·6	0·0
Mar.	− 2·8	− 5·3	− 5·9	− 4·6	− 1·2	+ 6·5	+10·9	**+11·1**	+ 2·4	− 9·1	**−14·6**	−13·1	− 7·3	− 5·4	− 4·7	− 4·9	+ 0·7	+ 5·6	+ 7·9	+ 7·8	+ 7·6	+ 6·0	+ 0·5	− 5·8
April	+ 0·1	− 0·2	− 2·3	− 2·1	+ 0·5	+ 7·1	**+11·4**	+ 9·3	− 5·3	−14·3	**−18·5**	−16·7	−10·6	− 5·4	− 0·8	+ 4·0	+ 7·4	+ 9·0	+ 6·1	+ 5·6	+ 5·0	+ 5·5	+ 4·5	+ 1·1
May	+ 2·3	+ 0·6	− 0·2	+ 1·0	+ 4·2	+ 2·5	+ 1·2	− 6·0	−15·8	−20·8	**−21·2**	−16·6	−10·9	− 6·2	+ 2·4	+ 8·2	+10·7	**+13·6**	+12·6	+11·9	+10·1	+ 7·0	+ 5·9	+ 3·5
June	+ 6·0	+ 3·4	− 0·7	+ 0·3	− 0·1	− 1·7	− 7·5	−15·7	−25·6	**−29·4**	−26·1	−17·7	− 8·1	+ 2·5	+10·1	+13·2	+16·8	**+19·1**	+14·3	+12·1	+13·3	+11·5	+ 6·3	+ 3·1
July	+ 4·1	+ 0·1	− 3·7	− 4·3	+ 1·3	− 0·9	− 4·5	−13·5	−23·4	**−26·0**	−20·5	−11·8	− 1·7	+ 7·0	+14·2	**+16·1**	+13·5	+ 0·8	− 8·0	− 9·9	− 8·0	− 7·6	− 5·0	− 1·8
Aug.	− 4·6	− 4·5	− 5·5	− 4·2	− 4·3	− 6·5	− 6·1	−10·4	−15·3	**−17·4**	− 9·4	− 1·4	+ 2·2	+ 4·3	+ 6·7	+11·5	+ 9·0	+10·4	+ 8·9	**+12·4**	+10·7	+ 8·6	+ 6·6	− 1·5
Sept.	+ 3·4	+ 0·8	− 0·7	− 0·1	− 0·3	+ 1·2	0·0	− 6·9	−17·3	**−20·9**	−17·1	− 7·1	+ 3·3	+ 5·4	+ 5·7	+ 5·4	+ 6·8	**+ 8·8**	+ 7·9	+ 5·1	+ 5·3	+ 4·1	+ 2·8	− 4·9
Oct.	− 1·2	− 0·5	− 0·9	− 0·5	+ 3·1	+ 3·9	+ 4·4	− 0·2	− 9·2	**−15·6**	−14·5	− 7·0	− 0·6	+ 1·6	+ 1·1	+ 1·5	+ 4·1	**+ 7·5**	+ 6·3	+ 4·9	+ 5·8	+ 3·6	+ 1·8	0·0
Nov.	− 4·1	− 0·8	− 1·5	− 0·9	+ 0·6	+ 2·5	+ 5·0	+ 4·7	− 1·0	− 7·2	**− 8·1**	− 4·9	+ 0·2	+ 1·2	+ 0·4	+ 0·9	+ 3·4	**+ 5·3**	+ 4·5	+ 2·9	0·0	− 0·2	− 0·8	− 2·3
Dec.	**− 6·0**	− 5·5	− 4·9	− 4·0	− 1·1	+ 0·6	+ 2·3	+ 3·5	+ 2·1	− 3·0	− 3·8	− 1·7	+ 2·5	+ 4·8	+ 3·8	+ 2·4	+ 4·7	**+ 5·4**	+ 4·2	+ 2·5	+ 0·1	− 1·4	− 3·2	− 4·7
Year	− 0·9	− 1·7	− 3·1	− 2·1	0·0	+ 1·6	+ 2·3	− 1·1	− 8·6	**−13·9**	−13·5	− 9·0	− 2·8	+ 1·1	+ 3·5	+ 4·8	+ 6·6	**+ 8·4**	+ 7·3	+ 6·7	+ 6·0	+ 4·8	+ 3·0	+ 0·7
Winter	− 4·6	− 3·8	− 4·2	− 3·1	− 0·8	+ 1·8	+ 4·3	**+ 4·8**	+ 1·6	− 3·4	**− 5·0**	− 4·2	0·0	+ 2·3	+ 1·7	+ 0·7	+ 2·5	+ 4·3	+ 3·5	+ 2·6	+ 1·4	+ 0·8	− 0·7	− 2·9
Eqnx.	− 0·2	− 1·3	− 2·5	− 1·8	+ 0·5	+ 4·7	+ 6·7	+ 3·3	− 7·3	−15·0	**−16·2**	−11·0	− 3·8	− 0·9	+ 0·3	+ 1·5	+ 4·8	+ 7·7	+ 7·1	+ 5·8	+ 5·9	+ 4·8	+ 3·9	+ 3·0
Sumr.	+ 2·0	− 0·1	− 2·5	− 1·3	+ 0·3	− 1·6	− 4·2	−11·4	−20·0	**−23·4**	−19·3	−11·9	− 4·6	+ 1·9	+ 8·4	+12·2	+12·5	**+13·2**	+11·2	+11·0	+10·8	+ 8·7	+ 6·0	+ 1·9

475. Richmond (Kew Observatory). **1922.**

Month, Season or Year.	ELEMENT. Quiet days D and H, absolute observations I.			FORCE.				RANGE OF INEQUALITY.			AVERAGE DEPARTURE.		
	Declination (West).	Inclination.	Horizontal Force.	North.	West.	Vertical.	Total.	"Ordinary" Days. D.	Quiet days. D.	Quiet days. H.	"Ordinary" Days. D.	Quiet Days. D.	Quiet Days. H.
	° ′	° ′	γ	γ	γ	γ	γ	′	′	γ	′	′	γ
January ...	14 13·9	66 57·5	18394	17829	4522	43246	46995	4·05	3·63	14·4	0·88	0·78	3·8
February...	14 12·9	66 58·4	18397	17834	4518	43285	47032	5·32	4·08	12·4	1·26	0·92	2·9
March ...	14 12·0	66 57·9	18396	17834	4513	43265	47013	7·67	8·05	25·7	1·86	1·46	6·6
April ...	14 11·1	66 57·5	18402	17841	4509	43265	47016	9·32	9·46	29·9	2·29	1·77	6·4
May ...	14 9·9	66 57·5	18397	17838	4502	43253	47003	9·14	9·93	34·8	2·13	2·02	8·1
June ...	14 9·6	66 56·7	18399	17840	4501	43230	46982	9·60	10·06	48·5	2·42	2·36	11·0
July ...	14 8·0	66 57·0	18394	17837	4491	43229	46979	9·55	9·23	42·1	2·12	1·94	9·0
August ...	14 7·3	66 57·2	18392	17836	4487	43231	46981	9·34	7·25	29·8	2·28	1·59	7·6
September	14 6·7	66 57·7	18386	17831	4483	43234	46981	7·34	7·54	29·7	1·79	1·55	5·9
October ...	14 5·6	66 58·3	18387	17834	4477	43258	47003	6·88	6·09	23·1	1·78	1·35	4·2
November	14 4·9	66 58·5	18393	17840	4475	43279	47025	4·34	4·29	13·4	0·98	0·90	2·6
December	14 3·5	66 57·6	18390	17839	4467	43240	46988	3·71	2·87	11·4	0·84	0·62	3·3
Winter ...	14 8·8	66 58·0	18393	18835	4495	43262	47010	4·33	3·50	9·8	0·97	0·77	2·7
Equinox ...	14 8·9	66 57·8	18393	17835	4495	43255	47003	7·67	7·49	23·9	1·91	1·50	5·0
Summer ...	14 8·7	66 57·1	18395	17838	4495	43236	46986	9·09	9·06	36·6	2·21	1·94	8·4
Year 1922	14 8·8	66 57·6	18394	17836	4495	43251	47000	6·55	6·68	22·3	1·67	1·40	4·7
1921	14 19·9	66 57·7	18399	17827	4555	43266	47016	7·51	7·07	22·6	1·83	1·47	4·8
1920	14 31·0	66 57·9	18410	17822	4615	43297	47049	8·12	7·91	28·3	2·10	1·83	6·5
1919	14 40·9	66 57·7	18416	17815	4667	43305	47058	8·73	8·52	28·0	2·26	1·84	6·3
1918	14 50·4	66 58·4	18429	17814	4720	43361	47115	9·31	9·23	30·1	2·28	1·91	7·7
1917	14 59·6	66 58·0	18437	17809	4770	43366	47122	—	10·18	34·0	—	2·16	8·3
1916	15 8·8	66 57·5	18457	17816	4823	43395	47156	—	8·73	30·0	—	1·84	7·0
1915	15 18·4	66 56·6	18463	17808	4874	43376	47141	—	7·30	24·8	—	1·60	5·7
1914	15 27·8	66 55·8	18488	18818	4929	43406	47179	—	6·13	22·2	—	1·30	4·9
1913	15 37·0	66 55·8	18505	17822	4982	43449	47226	—	6·87	18·1	—	1·45	4·0
1912	15 46·5	66 56·5	18498	17801	5029	43454	47227	—	6·36	20·2	—	1·22	4·6

MAGNETIC CHARACTER OF EACH DAY.

476. Richmond (Kew Observatory). **1922.**

Date	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1	0	1	2	1	0	0	1	1	0	0	2	1	—
2	1	1	2	1	0	1	1	0	0	1	2	0	—
3	0	2	2	0	0	2	1	0	1	1	1	0	—
4	0	1	1	0	0	0	0	0	0	1	1	0	—
5	0	1	2	0	0	1	0	1	0	2	0	1	—
6	0	1	0	0	0	1	0	0	0	2	0	1	—
7	1	0	0	0	2	0	1	0	2	2	0	0	—
8	2	1	0	1	2	0	0	0	2	1	0	0	—
9	2	2	0	2	2	0	0	1	1	1	0	0	—
10	1	1	2	2	1	0	0	1	1	1	1	1	—
11	1	0	1	1	1	0	0	2	1	0	0	2	—
12	0	2	1	2	0	1	0	2	0	0	0	1	—
13	0	1	2	1	0	0	0	1	1	1	0	0	—
14	0	1	2	1	0	0	1	1	2	1	0	2	—
15	0	2	0	1	0	0	1	1	1	0	0	1	—
16	2	2	0	0	2	1	1	0	0	0	0	0	—
17	2	1	2	0	1	1	1	0	0	1	0	0	—
18	1	1	1	0	0	1	1	0	0	0	0	0	—
19	1	0	1	0	0	0	1	0	0	0	0	0	—
20	1	1	1	0	0	0	0	1	2	1	0	0	—
21	0	1	0	1	1	0	0	0	1	1	1	0	—
22	0	1	1	2	1	0	0	1	0	0	0	0	—
23	0	0	0	1	1	0	1	1	0	0	0	0	—
24	2	0	0	1	1	0	1	1	0	2	0	0	—
25	2	0	2	1	1	0	1	0	0	1	0	1	—
26	1	1	1	2	1	0	2	1	0	0	0	2	—
27	1	1	1	1	0	1	2	1	1	1	1	0	—
28	0	1	0	0	0	1	2	0	1	1	2	0	—
29	0		1	1	0	1	2	1	0	0	2	0	—
30	1		2	1	0	1	1	1	1	1	1	0	—
31	1		1		0		1	1		2		0	—
No. of 0's.	14	6	10	11	18	18	12	13	16	11	20	21	170
No. of 1's.	11	17	11	14	9	11	15	16	10	15	6	7	142
No. of 2's.	6	5	10	5	4	1	4	2	4	5	4	3	53
Mean Chrctr.	0·74	0·96	1·00	0·80	0·55	0·43	0·74	0·65	0·60	0·81	0·47	0·42	0·68

NON-CYCLIC CHANGE (24h.–0h.).

477. Richmond (Kew Observatory) **1922.**

Month, Season or Year.	Ordinary Days. D.	Quiet Days. D.	Quiet Days. H.
	′	′	γ
Jan. ...	−0·38	−0·26	+1·9
Feb. ...	+0·30	−0·22	+3·7
Mar. ...	+0·37	+0·75	+0·7
Apr. ...	−0·28	+0·32	+3·7
May ...	+0·43	+0·76	+2·3
June ...	−0·21	−0·80	+4·0
July ...	0·00	+0·36	+3·9
Aug. ...	+0·02	+0·04	+0·8
Sept. ...	+0·19	−0·10	+4·6
Oct. ...	−0·26	−0·06	+2·3
Nov. ...	−0·07	+0·40	+1·0
Dec. ...	0·00	+0·22	+0·1
Winter...	−0·04	+0·03	+1·7
Equinox	0·00	+0·23	+2·8
Summer	+0·06	+0·14	+2·7
Year 1922	+0·01	+0·13	+2·4
1921	+0·03	+0·07	+3·6
1920	+0·04	+0·16	+3·3
1919	−0·11	+0·04	+5·4
1918	−0·04	−0·11	+4·0
1917	—	+0·13	+4·0
1916	—	−0·02	+3·0
1915	—	−0·21	+2·6
1914	—	+0·03	+1·1
1913	—	+0·01	+2·1
1912	—	+0·04	+2·0

478. MEAN VALUES, FOR THE YEARS SPECIFIED, OF THE MAGNETIC ELEMENTS AT OBSERVATORIES WHOSE PUBLICATIONS ARE RECEIVED AT KEW OBSERVATORY, RICHMOND.

Place.	Latitude.	Longitude.	1922.				1921.				1920.			
			Declination.	Inclination.	Horizontal Force.	Vertical Force.	Declination.	Inclination.	Horizontal Force.	Vertical Force.	Declination.	Inclination.	Horizontal Force.	Vertical Force.
	N.			N.				N.				N.		
	° ′	° ′	° ′	° ′	γ	γ	° ′	° ′	γ	γ	° ′	° ′	γ	γ
Sitka (Alaska)	57 3	135 20 W.	30 29·1 E.	74 22·4	18560	55631	30 28·5 E.	74 22·6	18570	55679	30 28·2 E.	74 22·1	15574	55662
Rude Skov	55 51	12 27 E.	...	...	...	...	7 45·2 W.	69 1·2	17105	44607	7 57·2 W.	68 59·6	17124	44596
Eskdalemuir	55 19	3 12 W.	16 25·8 W.	69 40·0	16680	45012	16 37·3 W.	69 40·3	16695	45062	16 49·7 W.	69 39·5	16706	45084
Stonyhurst	53 51	2 28 W.	15 30·9 W.	68 42·4	17305	44402	15 41·6 W.	68 43·0	17315	44449	15 52·9 W.	68 43·5	17300	44433
Potsdam	52 23	13 4 E.	7 7·6 W.	66 35·7	18577	42918	7 18·9 W.	66 34·5	18591	42911	7 29·4 W.	66 33·5	18606	42912
Seddin	52 17	13 1 E.	7 8·9 W.	66 32·7	18615	42903	7 20·5 W.	66 31·6	18629	42898	7 31·2 W.	66 30·6	18645	42899
De Bilt (Utrecht)	52 5	5 11 E.	...	...	...	...	11 13·6 W.	66 52·6	18389	43065	11 24·2 W.	66 51·8	18397	43056
Valencia (Ireland)	51 56	10 15 W.	18 57·0 W.	68 3·0	17849	44289	19 6·5 W.	68 3·4	17848	44299	19 17·9 W.	68 5·3	17840	44353
Kew (Richmond)	51 28	0 19 W.	14 8·8 W.	66 57·6	18394	43251	14 19·9 W.	66 57·7	18399	43266	14 31·0 W.	66 57·9	18410	43297
Greenwich	51 28	0 0	13 46·7 W.	66 52·3	18442	43176	13 57·6 W.	66 53·0	18449	43218	14 8·6 W.	66 53·6	18454	43249
Val Joyeux (near Paris)	48 49	2 1 E.	...	...	...	...	12 42·6 W.	64 40·0	19670	41548	12 53·0 W.	64 41·6	19666	41591
Munich	48 9	11 37 E.	...	...	...	...	7 53·6 W.	...	...	...	8 3·8 W.	...	...	...
Pola	44 52	13 51 E.	...	...	...	...	6 38·6 W.	60 10·3	22094	38537	...	...	...	...
Agincourt (Toronto)	43 47	79 16 W.	...	...	...	...	6 50·6 W.	74 44·5	15839	58065	6 45·4 W.	74 44·6	15865	58166
Tortosa	40 49	0 30 E.	11 39·7 W.	57 35·5	23314	36725	11 49·1 W.	57 37·6	23301	36754	11 59·3 W.	57 39·4	23291	36781
Coimbra	40 12	8 25 W.	...	...	...	...	15 13·4 W.	58 19·2	23110	37448	15 21·5 W.	58 22·8	23087	37496
Cheltenham (Maryland)	38 44	76 50 W.	6 27·7 W.	70 57·6	19020	55115	6 22·4 W.	70 56·5	19069	55200	6 18·5 W.	70 55·4	19118	55285
San Fernando	36 28	6 12 W.	13 41·6 W.	53 50·1	25033	—	...	...	...	...	...	...	...	...
Tsingtau	36 4	120 19 E.	...	...	...	...	...	...	...	...	4 12·9 W.	52 7·0	30817	39610
Tucson (Arizona)	32 15	110 50 W.	...	...	...	...	...	...	...	...	13 48·0 E.	59 27·6	26910	45610
Lu-kia-pang	31 19	121 2 E.	...	...	...	...	...	...	...	...	3 21·4 W.	45 30·7	33175	33773
Dehra Dun	30 19	78 3 E.	1 43·2 E.	45 8·6	32927	33091	1 47·1 E.	45 4·2	32945	33025	1 52·0 E.	44 59·9	32951	32949
Hongkong*	22 18	114 10 E.	0 21·5 W.	30 46·0	37279	22194	0 19·8 W.	30 45·8	37295	22199				
							0 22·6 W.	30 45·0	37190	22125	0 20·8 W.	30 46·4	37174	22137
Honolulu (Hawaii)	21 19	158 4 W.	9 57·1 E.	39 24·4	28794	23658	9 55·3 E.	39 24·5	28824	23683	9 53·2 E.	39 25·1	28847	23711
Toungoo	18 56	96 27 E.	0 29·7 W.	23 7·2	39156	16717	0 26·8 W.	23 7·0	39132	16704	0 23·7 W.	23 7·7	39114	16707
Alibag (Bombay)	18 39	72 52 E.	0 12·6 E.	25 5·0	36967	17303	0 15·9 E.	24 59·5	36956	17226	0 20·3 E.	24 54·7	36922	17147
Vieques (Porto Rico)	18 9	65 26 W.	...	...	...	...	...	...	...	...	3 46·1 W.	51 22·7	27827	34832
Antipolo	14 36	121 10 E.	...	...	...	...	...	...	...	...	0 35·9 E.	16 11·7	38100	11065
Kodai-Kanal	10 14	77 28 E.	1 58·7 E.	4 40·1	37878	3093	1 54·2 W.	4 38·5	37832	3071	1 49·9 W.	4 36·1	37787	3042
	S.			S.				S.				S.		
Batavia	6 11	106 49 E.	...	...	...	...	...	...	...	...	0 47·0 E.	31 53·7	36796	22899
Apia (Samoa)	13 48	171 46 W.	10 13·6 E.	30 5·6	35241	20423	...	...	...	...	...	...	...	...
Mauritius	20 6	57 33 E.	10 39·9 W.	52 36·2	23019	30112	10 30·7 W.	52 37·1	23061	30185	10 20·3 W.	52 40·1	23093	30278
Pilar	31 40	63 53 W.	...	...	...	...	...	...	...	...	7 48·6 E.	25 41·3	25297	12168
Christchurch, N.Z.	43 32	172 37 E.	17 8·3 E.	68 11·2	22217	55507	17 4·6 E.	68 10·3	22241	55528	17 1·7 E.	68 9·2	22261	55525

* The values for 1920 and the second set of values for 1921 refer to the old magnetic hut; the first set of values for 1921 and the values for 1922 refer to the new hut.

479. ADDITIONAL VALUES FOR EARLIER YEARS.

			1919.				1918.				1917.			
				N.				N.				N.		
	N.		° ′	° ′	γ	γ	° ′	° ′	γ	γ	° ′	° ′	γ	γ
Sitka (Alaska)	57 3	135 20 W.	30 26·7 E.	74 23·2	15578	55748	30 24·9 E.	74 23·8	15580	55790	30 24·7 E.	74 24·8	15584	55866
Meanook	54 37	113 21 W.	27 41·1 E.	77 54·2	12944	60400	27 44·3 E.	77 54·5	12938	60393	27 46·1 E.	77 55·0	...	...
Prague	50 5	14 25 E.	...	...	...	...	...	...	...	...	7 5·3 W.	...	...	...
Munich	48 9	11 37 E.	8 13·7 W.	...	...	...	8 23·2 W.	...	...	...	8 32·0 W.	...	...	...
O'Gyalla (Pesth)	47 53	18 12 E.	...	...	...	...	5 21·9 W.	...	20917	...	5 31·0 W.	...	20945	...
Pola	44 52	13 51 E.	7 1·6 W.	60 9·3	22111	38539	7 11·0 W.	60 9·0	22113	38533	7 19·2 W.	60 6·8	22124	38494
San Fernando	36 28	6 12 W.	14 8·5 W.	53 44·6	25101	...	14 12·4 W.	54 2·2	24976	34423	14 21·1 W.	54 9·0	24980	34580
Tucson (Arizona)	32 15	110 50 W.	13 47·8 E.	59 27·0	26940	45644	13 47·1 E.	59 26·5	26982	45701	13 46·1 E.	59 26·4	27021	45763
Helwan	29 52	31 21 E.	1 30·6 W.	41 9·6	29941	26175	1 38·4 W.	41 6·1	29948	26126	1 45·7 W.	41 1·9	29993	26076
Vieques (Porto Rico)	18 9	65 26 W.	3 39·9 W.	51 17·7	27905	34825	3 34·0 W.	51 10·9	27985	34783	3 27·0 W.	51 2·7	28060	34714
Antipolo	14 36	121 10 E.	0 36·1 E.	16 10·1	38107	11048	0 35·5 E.	16 5·0	38115	10986	0 35·9 E.	16 7·7	38088	11014
	S.			S.				S.				S.		
Batavia	6 11	106 49 E.	0 46·0 E.	31 50·2	36728	22806	0 46·0 E.	31 46·2	36716	22739	0 45·9 E.	31 42·0	36724	22682
Pilar	31 40	63 53 W.	7 57·4 E.	25 40·1	25350	12183	8 5·6 E.	25 39·5	25398	12200	8 13·7 E.	25 41·0	25450	12240
Melbourne	37 50	144 58 E.	...	...	...	...	...	...	...	...	8 3·2 E.	67 50·9	22961	50400

M.O. 259
(Section V.)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1922

Comprising the results obtained from autographic records and eye observations at the observatories at Aberdeen, Eskdalemuir, Cahirciveen (Valencia Observatory), Richmond (Kew Observatory), and Benson.

SECTION V.—BENSON

Published by the authority of the
METEOROLOGICAL COMMITTEE

LONDON:
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1925

SECTION V.

BENSON OBSERVATORY.

Latitude	51° 37′ N.
Longitude	1° 7′ W.
Height above Sea Level	57 metres.

INTRODUCTION.

Notes on the tables of Upper Air Temperatures obtained from soundings with registering balloons at Benson. 1922.

The tables are presented in practically the same form as those appearing in previous years in the Annual Supplement to the *Geophysical Journal*.* The Dines balloon meteorograph was solely employed, and the method of using it remained substantially the same as described in *The Computer's Handbook*.†

The graphical method of computation of pressure-heights was slightly modified to reduce casual errors, and to ensure that the published figures represent as closely as possible the actual record engraved by the instrument. In the computation a constant value of gravity (981·2 cm. per sec.^{2}) has been assumed. The effect of humidity on the density of the air has been neglected.

Owing to the improved quality of the balloons available, much better heights were reached than has been the case for several years. Of a total of 33 ascents made during the year, 76 per cent. of the instruments were found and returned.

In general, the temperature records obtained from the meteorograph differ by from 1a to 4a or 5a as between the ascent and descent. There is good reason for believing that the record on the descent gives almost always the lower temperature. As a general rule, the mean of the two temperatures recorded at any given pressure was employed in computing the published figures ; in a few special cases of daylight ascents, where the difference is usually more pronounced, the colder record alone was employed, and is probably the more reliable of the two in such cases. Where, as in a few cases, the warmer only was employed, the difference between the two was small.

The figures given in the table of lapse rates do not in every case agree with the temperatures appearing in the table of height-temperature. The reason is that both were determined independently from the original data and then afterwards rounded off to the nearest whole degree.

In Table 480 occur the entries "Type of Tropopause" and "H_c = Height of Tropopause." These are defined as follows :—

Type I. The stratosphere commences with an inversion, and H_c is the height of the first point of zero temperature gradient.

Type II. The stratosphere begins with an abrupt transition to a temperature gradient below 2a per kilometre without inversion, and H_c is the height of the abrupt transition.

Type III. There is no abrupt change of temperature gradient, and the base of the stratosphere is taken at the point where the mean fall of temperature for the kilometre next above is 2a or less, provided that it does not exceed 2a for any subsequent kilometre.

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* *British Meteorological and Magnetic Year Book*, Part III, Section 2.

† MO. 223, Section II, Subsection II.

(15931) Wt. 13586/10451/P.F.1350/588 375 8/25 Harrow G.69/13 2 E 2

UPPER AIR TEMPERATURES.

SOUNDINGS WITH REGISTERING BALLOONS, 1922.

Lat. 51° 37′ N. Long. 1° 7′ W. Height above M.S.L. 57 metres.

480. Benson. T = Temperature in Degrees absolute above 200a. P = Pressure in millibars. H = Height in kilometres above M.S.L.

No.	388.	389.	390.	391.	392.	394.	396.	399.	400.	402.	404.	405.
Date.	Jan. 17.	Jan. 18.	Jan. 18.	Feb. 10.	April 6.	May 11.	May 17.	May 18.	July 22.	Sept. 7.	Sept. 11.	Sept. 12.
Start G.M.T.	15 h. 34 m.	7 h. 30 m.	15 h. 30 m.	15 h. 40 m.	17 h. 40 m.	18 h. 15 m.	18 h. 7 m.	18 h. 12 m.	12 h. 10 m.	17 h. 48 m.	17 h. 37 m.	7 h. 37 m.
H_t = Greatest Height ...	6·5 km.	3·2 km.	3·7 km.	9·5 km.	7·7 km.	11·2 km.	11·3 km.	12·8 km.	16·4 km.	14·1 km.	15·4 km.	12·5 km.
T_t = Corresponding Temp....	27 a.	59 a.	53 a.	22 a.	34 a.	13 a.	24 a.	21 a.	29 a.	21 a.	19 a.	23 a.
P_t = Corresponding Pressure	411 mb.	669 mb.	609 mb.	291 mb.	357 mb.	213 mb.	212 mb.	170 mb.	103 mb.	143 mb.	114 mb.	179 mb.
Place of Fall	Wokingham, Berks.	Tetsworth, Oxon.	Aylesbury, Bucks.	Fosbury, Hungerford.	Ashstead, Surrey.	Wickford, Essex.	Witchford, I. of Ely.	Barham, Canterbury.	Babraham, Cambs.	Alresford.	Swanage.	Earley, Reading.
Distance	32 km.	13 km.	32 km.	45 km.	69 km.	104 km.	120 km.	170 km.	106 km.	55 km.	124 km.	24 km.
Bearing	140°	40°	45°	220°	120°	90°	48°	105°	58°	183°	208°	145°
Geostrophic Wind— Time G.M.T.	18 h.	7 h.	18 h.	18 h.	18 h.	18 h.	18 h.	18 h.	13 h.	18 h.	18 h.	7 h.
Speed	11 m/s.	22 m/s.	22 m/s.	11 m/s.	7 m/s.	11 m/s.	13 m/s.	11 m/s.	Calm.	4 m/s.	Calm.	13 m/s.
Deg. from N.	320°	210°	200°	135°	295°	130°	250°	280°	—	60°	—	215°
Wind (Anemometer)— Speed	3·5 m/s.	3·0 m/s.	10·0 m/s.	2·2 m/s.	Calm.	2·2 m/s.	3·7 m/s.	8·0 m/s.	Calm.	2·2 m/s.	Calm.	3·3 m/s.
Deg. from N.	320°	180°	180°	100°	—	70°	260°	270°	—	30°	—	90°
Type of Tropopause	—	—	—	—	—	2.	2.	1.	1.	1.	1.	1.
H_c = Height of ,, ...	—	—	—	—	—	10·7 km.	9·1 km.	11·0 km.	10·8 km.	11·5 km.	11·5 km.	11·0 km.
P_c = Pressure at ,, ...	—	—	—	—	—	234 mb.	293 mb.	225 mb.	237 mb.	214 mb.	211 mb.	224 mb.
T_c = Temp. at ,, ...	—	—	—	—	—	13 a.	24 a.	20 a.	23 a.	15 a.	14 a.	22 a.
P_9 (Pressure at 9 km.) ...	—	—	—	312 mb.	—	303 mb.	299 mb.	308 mb.	312 mb.	317 mb.	308 mb.	306 mb.
P_s (Pressure at M.S.L.) ...	1003 mb.	1007 mb.	1004 mb.	1030 mb.	1015 mb.	1013 mb.	1006 mb.	1017 mb.	1010 mb.	1027 mb.	1016 mb.	1007 mb.
T_m (Mean Temp. 1 to 9 km.)	—	—	—	257 a.	—	253 a.	252 a.	255 a.	260 a.	260 a.	256 a.	256 a.

481.

NOTES.

Date.	No.		
Jan. 17	388	Sky almost clear; slight Ci. Balloon lost sight of at about 3 km. Azimuth 142°. *Pressure Distribution.* High over Azores and N. of Scandinavia. Several "lows" in the trough between Iceland and Italy.	Screen Temp. 275 Humidity ... 75%
Jan. 18	389	Cold morning with slight inversion at surface. Some Ci. Cu. *Pressure Distribution.* High over Azores and N. of Scandinavia. Small "low" in N. Sea, filling up. Main circulation round a large "low" S. of Iceland.	Screen Temp. 272 Humidity ... 84%
Jan. 18	390	Overcast. Raining since 13 h. 30 m. Lost in clouds at about 400 m. *Pressure Distribition.* High over Azores and N. of Scandinavia. Large "low" S. of Iceland.	Screen Temp. 277 Humidity ... 90%
Feb. 10	391	Steady inversion from surface to a max. temp. of 285 a. at 1·06 km. Clear overhead, some Ci. from W. *Pressure Distribution.* Large "high" over Prussia and the Baltic for several days previously.	Screen Temp. 277 Humidity ... 60%
April 6	392	Half clouded. Ci. moving fast from WNW. Cu. during day. *Pressure Distribution.* "High" over S. England and N. France. "Lows" arriving off mouth of Channel.	Screen Temp. 279 Humidity ... 79%
May 11	394	Overcast. Went into clouds at about 1·2 km. Upper winds nearly opposite to gradient wind. *Pressure Distribution.* Shallow "low" nearly stationary over France.	Screen Temp. 281 Humidity ... 78%
May 17	396	Raining through day with heavy Cu., clearing at 18 h. *Pressure Distribution.* Large "low" W. of Scotland moving NE.	Screen Temp. 286 Humidity ... 95%
May 18	399	Small inversion at 1·95 km. "bc" with Ci. after fine day. *Pressure Distribution.* Large "low" N. of Scotland moving NE.	Screen Temp. 288 Humidity ... 60%
July 22	400	Slight rain, previously overcast. *Pressure Distribution.* Light indefinite gradient over considerable area.	Screen Temp. 291
Sept. 7	402	Slight inversion at surface, another at 2·68 km. Weather cloudy. St. Cu. and Ci. from NNE. *Pressure Distribution.* Large "high" S. of Iceland.	Screen Temp. 289 Humidity ... 71%
Sept. 11	404	Small inversion at surface and another inversion at 2·14 km. Calm. Cloudy, with St. Cu. at about 2·1 km. *Pressure Distribution.* Indefinite region between Azores "high" and a "high" over Russia.	Screen Temp. 287 Humidity ... 86%
Sept. 12	405	Inversion at surface, another small one at 2·13 km. Weather fine with A. Cu. from W. *Pressure Distribution.* Same as on 11th, but with a "low" developing NW. of Ireland.	Screen Temp. 283 Humidity ... 92%

UPPER AIR TEMPERATURES.

SOUNDINGS WITH REGISTERING BALLOONS, 1922.

Lat. 51° 37′ N. Long. 1° 7′ W. Height above M.S.L. 57 metres.

480. Benson. T = Temperature in Degrees absolute above 200a. P = Pressure in millibars. H = Height in kilometres above M.S.L.

No.	406.	407.	408.	410.	412.	413.	414.	415.	416.	418.	419.	420.
Date.	Sept. 13.	Sept. 14.	Sept. 15.	Sept. 16.	Oct. 5.	Oct. 11.	Oct. 17.	Oct. 18.	Oct. 28.	Nov. 16.	Nov. 25.	Dec. 20.
Start G.M.T.	7 h. 0 m.	7 h. 8 m.	7 h. 17 m.	6 h. 57 m.	17 h. 55 m.	17 h. 40 m.	17 h. 35 m.	17 h. 12 m.	16 h. 55 m.	16 h. 10 m.	17 h. 5 m.	10 h. 3 m.
H_t = Greatest Height ...	10·4 km.	17·4 km.	12·6 km.	18·6 km.	16·9 km.	10·9 km.	14·6 km.	16·3 km.	9·0 km.	17·5 km.	12·6 km.	12·5 km.
T_t = Corresponding Temp....	28 a.	27 a.	27 a.	28 a.	20 a.	19 a.	12 a.	19 a.	28 a.	11 a.	5 a.	27 a.
P_t = Corresponding Pressure	236 mb.	84 mb.	174 mb.	72 mb.	90 mb.	226 mb.	129 mb.	98 mb.	296 mb.	82 mb.	170 mb.	170 mb.
Place of Fall	Aylesbury.	Godalming.	Ascot.	Lewes.	Old Charlton, Kent.	Brighton.	Newport, Mon.	Cannington, Bridgewater.	Arborfield.	Bursledon, Hampshire.	Edenbridge, Kent.	Whittlesea.
Distance	29 km.	59 km.	39 km.	113 km.	79 km.	110 km.	126 km.	164 km.	28 km.	81 km.	93 km.	124 km.
Bearing	46°	144°	127°	136°	102°	142°	269°	251°	150°	189°	118°	35°
Geostrophic Wind— Time G.M.T.	7 h.	7 h.	7 h.	7 h.	18 h.	18 h.	18 h.	18 h.	18 h.	18 h.	18 h.	10 h.
Speed	16 m/s.	13 m/s.	13 m/s.	13 m/s.	11 m/s.	7 m/s.	20 m/s.	20 m/s.	16 m/s.	9 m/s.	4 m/s.	35 m/s.
Deg. from N.	270°	15°	350°	245°	270°	210°	120°	110°	90°	310°	295°	345°
Wind (Anemometer)— Speed	4·7 m/s.	Calm.	5·7 m/s.	2·9 m/s.	3·5 m/s.	Calm.	7·7 m/s.	8·2 m/s.	2·6 m/s.	Calm.	Calm.	14·0 m/s.
Deg. from N.	225°	—	310°	180°	260°	—	70°	70°	50°	—	—	285°
Type of Tropopause	1	1	1	1	1	1?	1	1	—	1	1	1
H_c = Height of ,, ...	9·5 km.	8·5 km.	9·9 km.	11·7 km.	8·8 km.	10·7 km.	11·7 km.	9·3 km.	—	12·1 km.	12·2 km.	9·2 km.
P_c = Pressure at ,, ...	273 mb.	318 mb.	263 mb.	211 mb.	310 mb.	231 mb.	205 mb.	290 mb.	—	195 mb.	182 mb.	278 mb.
T_c = Temp. at ,, ...	23 a.	27 a.	19 a.	16 a.	23 a.	18 a.	13 a.	23 a.	—	11 a.	5 a.	20 a.
P_9 (Pressure at 9 km.) ...	293 mb.	294 mb.	302 mb.	315 mb.	299 mb.	300 mb.	311 mb.	303 mb.	298 mb.	319 mb.	306 mb.	288 mb.
P_s (Pressure at M.S.L.) ...	983 mb.	988 mb.	1008 mb.	1021 mb.	1009 mb.	1016 mb.	1017 mb.	1021 mb.	1020 mb.	1041 mb.	1038 mb.	975 mb.
T_m (Mean Temp. 1 to 9 km.)	252 a.	252 a.	253 a.	261 a.	252 a.	251 a.	258 a.	251 a.	248 a.	259 a.	251 a.	251 a.

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NOTES.

Date.	No.		
Sept. 13	406	Cloudy with St. Cu. and low St. from S.W. Went into cloud at 200 m. *Pressure Distribution.* A " low " centred N. of Ireland.	Screen Temp. 282 Humidity ... 95%
Sept. 14	407	Surface inversion extending up to 240 m. Overcast with low St. and mist. Went into cloud at 200–300 m. *Pressure Distribution.* The " low " reached S.E. England in the night and extended towards N.E.	Screen Temp. 281 Humidity ... 100%
Sept. 15	408	Overcast with St. and St. Cu. High St. Cu. from N.W. Isothermal patch 1·3–1·7 km. *Pressure Distribution.* The " low " moved N.E. and over Jutland on morning of 15th.	Screen Temp. 284 Humidity ... 80%
Sept. 16	410	Slight inversion below 500 m. Inversion at 1,260 m. in both Sussex and Oxon. Overcast, St. Cu. from W.N.W. at about 1·8 km. Previous to 6.20, " bc" with A.Cu. and Ci. from N.W. *Pressure Distribution.* " High " over Azores. " Lows " over Faroe and the Baltic.	Screen Temp. 279 Humidity ... 93%
Oct. 5	412	Overcast with St. Cu. Ci. and Cu. in afternoon moving from about W.S.W. at about 20 m/s. *Pressure Distribution.* A " high " off Spain, another over Scandinavia. A " low " moving from N.W. to S.E. between them.	Screen Temp. 285 Humidity ... 89%
Oct. 11	413	Pronounced inversion up to 100–200 m. Small inversion at 3·34 km. Weather " b." Ci. from W.N.W. *Pressure Distribution.* Large calm " high " region over France and Denmark. " Low " near Iceland.	Screen Temp. 278 Humidity ... 85%
Oct. 17	414	Slight inversion at 1·4 km. Very small lapse rate, surface to 4 km. Very steep lapse rate in stratosphere for short distance at 14 km. Clear sky previously, some St. Cu. developed at between 1 and 2 km. ht. at time of start. *Pressure Distribution.* Steady condition, with a " low " off Spain and a " high " over Scandinavia.	Screen Temp. 282 Humidity ... 74%
Oct. 18	415	Small inversion at 2·43 km. Weather " bc " with St. Cu. *Pressure Distribution.* Same as on Oct. 17.	Screen Temp. 281 Humidity ... 72%
Oct. 28	416	Pronounced inversion at surface. Small inversion at 3·05 km. Weather " b " with some Fr. Cu. Shower and squall at 15 h., fine after. *Pressure Distribution.* A " low " developing off N. Spain and remaining about stationary. " High " in Iceland region.	Screen Temp. 274 Humidity ... 87%
Nov. 16	418	Very pronounced inversion at 0·54 km. both in Hampshire and Oxon. Double inversion in Stratosphere with steep lapse rate between them. Thick fog all day with very high steady pressure. Fog cleared at about time of ascent, showing half clouded sky. *Pressure Distribution.* A steady " high " over British Isles.	Screen Temp. 277 Humidity ... 100%
Nov. 25	419	Pronounced inversion at surface. Another smaller pair at 1·14 and 1·89 km. Calm " bx." *Pressure Distribution.* A large " high " over S.W. England and Ireland. " Low " in Scandinavian region.	Screen Temp. 270
Dec. 20	420	Probable inversion below 1 km. Slight inversion at 1·6 km. Very small lapse rate, surface to 2 km. Trough line of secondary passed at about 9 h. with wind shift S. to W. and temp. drop. *Pressure Distribution.*—A large "low" S. of Iceland with a secondary moving N.E. across the Midlands.	Screen Temp. 276 Humidity ... 94%

T = Temperature in Degrees Absolute. P = Pressure in millibars. H = Height in kilometres above M.S.L.

No.	388.	389.	390.	391.	392.	394.	396.	399.	400.	402.	404.	405.
Date.	Jan. 17.	Jan. 18.	Jan. 18.	Feb. 10.	April 6.	May 11.	May 17.	May 18.	July 22.	Sept. 7.	Sept. 11.	Sept. 12.

482. Benson. HEIGHTS AND TEMPERATURES CORRESPONDING WITH ISOBARIC SURFACES. **1922.**

Pressure.	H.	T.	H.	T.	H.	T.	H.	T.	H.	T.	H.	T.	H.	T.	H.	T.	H.	T.	H.	T.	H.	T.	H.	T.
Millibars.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.
100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11·94	25	11·96	18	11·78	15	11·78	2
300	...	...	...	...	...	...	9·30	24	...	...	9·06	24	8·98	25	9·16	27	9·26	33	9·36	28	9·17	29	9·11	3
400	...	...	...	...	...	...	7·34	40	6·90	35	7·11	40	7·04	37	7·20	43	7·25	47	7·37	45	7·19	44	7·13	4
500	5·19	36	...	...	...	...	5·74	49	5·35	43	5·51	52	5·45	50	5·59	54	5·60	57	5·74	57	5·56	54	5·50	5
600	3·91	46	...	...	...	...	4·36	62	4·04	50	4·14	60	4·10	59	4·21	62	4·21	65	4·35	67	4·19	62	4·13	6
700	2·78	55	2·87	61	2·84	59	3·16	71	2·90	56	2·96	67	2·92	67	3·01	69	3·00	71	3·14	73	3·00	69	2·94	6
800	1·77	61	1·84	68	1·80	66	2·08	79	1·89	63	1·92	72	1·86	72	1·95	74	1·93	77	2·07	75	1·94	72	1·88	7
900	0·86	67	0·90	71	0·88	70	1·11	84	0·96	73	0·97	77	0·92	79	1·01	79	0·97	83	1·11	83	1·00	79	0·93	8
1000	...	...	0·06	73	...	...	0·25	79	...	...	0·11	81	...	...	0·14	87	0·08	90	0·23	89	0·14	87	0·06	8

483. Benson. PRESSURES AND TEMPERATURES AT GIVEN HEIGHTS. **1922.**

Heights.	P.	T.	P.	T.	P.	T.	P.	T.	P.	T.	P.	T.	P.	T.	P.	T.	P.	T.	P.	T.	P.	T.	P.	T.
Kilometres.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.
18·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	109	29	...	...	...	...	...	...
15·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	127	29	...	...	121	19	...	...
14·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	147	29	146	21	141	19	...	...
13·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	171	28	170	21	165	18	...	...
12·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	194	21	198	25	199	19	193	16	193	23
11·0	...	...	...	...	...	...	...	...	...	...	221	13	221	23	226	20	231	23	233	16	226	16	226	22
10·0	...	...	...	...	...	...	...	...	...	...	259	17	258	23	264	22	269	27	273	23	265	22	263	25
9·0	...	...	...	...	...	...	312	27	...	...	303	25	299	24	308	27	312	34	317	31	308	30	300	31
8·0	...	...	...	...	...	...	362	34	...	...	352	33	348	29	357	35	360	41	366	39	357	38	354	39
7·0	...	...	...	...	...	...	418	43	395	35	407	41	403	37	411	43	414	49	421	47	411	45	407	45
6·0	443	30	...	...	...	...	480	48	456	38	468	48	464	46	472	51	474	56	483	55	471	51	467	50
5·0	514	37	...	...	...	...	550	55	526	45	535	55	532	53	541	57	541	61	551	62	539	57	535	56
4·0	593	45	...	...	...	...	628	65	604	50	611	61	608	59	617	63	616	66	627	69	616	63	611	63
3·0	680	52	688	60	684	58	713	72	691	55	697	67	693	65	701	69	700	71	712	73	700	69	694	69
2·5	726	57	735	63	730	61	760	75	739	59	742	69	738	69	747	71	745	73	758	73	746	71	740	73
2·0	776	59	784	67	780	65	808	79	789	63	791	72	786	71	795	73	794	77	806	75	795	71	788	73
1·5	829	63	835	70	831	68	859	82	841	67	842	74	837	74	846	74	844	79	858	79	845	75	838	76
1·0	885	66	890	71	886	69	912	85	896	73	896	77	891	79	901	78	896	83	912	83	900	79	891	80
0·5	942	70	947	74	944	73	970	81	954	77	953	81	947	82	957	82	952	87	968	89	956	83	948	83
G.L 0·06	996	75	1000	72	997	77	1023	77	1007	79	1006	81	999	86	1010	87	1003	91	1020	89	1009	87	1000	83

Note.—The temperatures are derived from the original tabulations which are generally made to the nearest half-degree and are shown to the nearest whole degree.

484. Benson. LAPSE RATE OF TEMPERATURE BETWEEN GIVEN HEIGHTS. Degrees absolute per kilometre. **1922.**

Kilometres												
17 to 18	...	...	...	...	...	...	...	...	...	...	...	...
16 to 17	...	...	...	...	...	...	...	...	...	...	...	...
15 to 16	...	...	...	...	...	...	...	...	0	...	...	...
14 to 15	...	...	...	...	...	...	...	...	0	...	0	...
13 to 14	...	...	...	...	...	...	...	...	−1	0	1	...
12 to 13	...	...	...	...	...	...	...	...	−3	−2	−2	...
11 to 12	...	...	...	...	...	...	...	−1	−2	−3	0	−1
10 to 11	...	...	...	...	...	4	1	2	4	7	6	3
9 to 10	...	...	...	...	...	7	0	5	7	9	8	7
8 to 9	...	...	...	7	...	8	5	8	7	7	8	7
7 to 8	...	...	...	9	...	9	7	8	8	8	7	7
6 to 7	...	...	...	5	3	7	9	8	7	7	6	5
5 to 6	7	...	...	7	7	7	7	6	5	7	6	6
4 to 5	8	...	...	9	5	6	7	6	5	7	6	7
3 to 4	7	...	...	7	5	6	6	5	5	5	6	6
2·5 to 3	9	7	5	7	7	5	6	6	4	−1	5	7
2 to 2·5	9	7	9	8	8	6	5	3	7	5	−1	6
1·5 to 2	6	6	6	5	10	4	6	2	6	8	8	7
1 to 1·5	7	2	2	5	10	6	9	8	7	9	8	8
0·5 to 1	8	6	8	−7	9	7	7	8	7	10	8	6
G.L to 0·5	11	−3	9	−9	4	2	9	12*	9	0	8	6

Note.—The lapse rates are derived from the original tabulations which are generally made to the nearest half-degree and are shown to the nearest whole degree.

* Probably due to the screen temperature being higher than the air outside, very likely under conditions prevailing at the time.

T=Temperature in Degrees Absolute. *P*=Pressure in millibars. *H*=Height in kilometres above M.S.L.

No.	406.	407.	408.	410.	412.	413.	414.	415.	416.	418.	419.	420.
Date.	Sept. 13.	Sept. 14.	Sept. 15.	Sept. 16.	Oct. 5.	Oct. 11.	Oct. 17.	Oct. 18.	Oct. 28.	Nov. 16.	Nov. 25.	Dec. 20.

482. Benson. HEIGHTS AND TEMPERATURES CORRESPONDING WITH ISOBARIC SURFACES—*continued.* **1922.**

Pressure.	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*
Millibars.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.
100	...	...	16·23	27	...	...	16·48	23	16·18	20	...	...	...	...	16·20	19	...	...	16·24	09	...	...	...	...
200	...	...	11·59	31	11·67	25	12·00	19	11·66	26	...	...	11·82	13	11·73	25	...	...	12·00	11	11·66	05	11·38	27
300	8·84	27	8·85	28	9·04	23	9·34	34	8·99	23	9·00	25	9·24	27	9·06	24	8·95	28	9·40	25	9·12	23	8·73	21
400	6·86	40	6·91	37	7·09	40	7·31	48	7·06	36	7·07	37	7·27	44	7·13	38	7·00	36	7·44	41	7·19	37	6·81	36
500	5·27	50	5·32	51	5·50	51	5·65	58	5·48	49	5·49	49	5·64	57	5·53	50	5·43	45	5·83	55	5·60	49	5·22	50
600	3·91	61	3·96	61	4·13	61	4·26	67	4·12	59	4·15	59	4·25	67	4·18	57	4·10	55	4·45	65	4·27	57	3·86	61
700	2·73	67	2·77	68	2·94	67	3·04	73	2·94	67	2·98	62	3·03	72	3·01	65	2·94	58	3·24	73	3·10	64	2·65	71
800	1·67	73	1·72	73	1·88	74	1·97	76	1·88	73	1·93	70	1·96	77	1·96	70	1·92	62	2·16	77	2·05	69	1·59	73
900	·72	80	·77	81	·94	78	1·03	76	·94	79	·99	77	1·01	77	1·12	74	1·01	70	1·20	82	1·13	69	·65	?
1000	...	...	...	...	·07	84	·17	79	·07	84	·13	83	·15	81	·17	81	·16	77?	·34	77	·30	73	...	...

483. Benson. PRESSURES AND TEMPERATURES AT GIVEN HEIGHTS—*continued.* **1922.**

Heights.	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*
Kilometres.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.
18·0	...	...	...	...	...	...	79	27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17·0	...	...	89	27	...	...	92	25	...	...	...	...	...	...	...	...	...	...	88	10	...	...	...	...
16·0	...	...	104	27	...	...	108	23	103	20	...	...	...	...	103	19	...	...	104	9	...	...	...	...
15·0	...	...	121	27	...	...	126	21	120	21	...	...	...	...	121	19	...	...	123	9	...	...	...	...
14·0	...	...	140	29	...	...	147	20	140	22	...	...	141	12	141	19	...	...	144	10	...	...	...	...
13·0	...	...	163	29	...	...	172	20	163	23	...	...	166	13	165	21	...	...	170	13	...	...	...	...
12·0	...	...	189	31	190	25	200	19	190	25	...	...	194	13	192	23	...	...	200	11	189	5	182	25
11·0	...	...	219	32	221	24	234	21	221	27	...	...	228	15	224	25	...	...	234	15	223	9	212	25
10·0	252	29	253	31	258	19	272	29	257	27	258	20	267	21	260	25	...	...	274	21	262	16	247	23
9·0	293	25	294	28	302	23	315	35	299	23	300	25	311	29	303	24	298	28	319	29	306	24	288	20
8·0	340	33	342	29	350	32	363	43	348	29	350	31	360	37	352	31	346	31	369	37	355	33	335	26
7·0	393	39	396	37	405	41	417	49	404	36	404	37	415	45	407	39	400	36	426	45	411	39	389	34
6·0	452	45	455	45	466	47	478	57	465	45	466	44	476	54	469	46	462	41	488	53	473	46	449	43
5·0	519	52	522	53	534	54	545	61	534	53	535	51	544	61	537	52	531	49	558	61	544	51	516	52
4·0	593	59	597	61	610	61	620	69	610	61	612	59	620	68	615	58	608	55	635	69	621	59	590	60
3·0	676	66	680	67	694	67	704	73	694	67	697	61	703	72	701	65	694	57	721	74	709	65	670	68
2·5	720	69	725	68	740	69	750	75	740	69	744	65	742	74	747	67	741	59	767	75	756	67	714	72
2·0	767	72	772	71	788	73	797	76	788	72	793	69	796	77	797	69	792	62	816	78	805	69	760	73
1·5	817	73	823	75	839	75	848	77	839	75	845	72	847	77	849	71	845	65	867	81	858	70	810	73
1·0	869	77	875	79	893	77	903	77	893	79	899	76	901	77	904	74	901	70	923	83	915	69	861	76
0·5	925	80	930	83	949	81	960	80	949	82	956	81	958	79	961	79	959	75	980	78	975	73	917	?
G.L. 0·06	976	82	981	81	1001	84	1014	79	1001	85	1009	78	1010	82	1014	81	1013	74	1036	77	1030	70	975	76

Note.—The temperatures are derived from the original tabulations which are generally made to the nearest half-degree and are shown to the nearest whole degree.

484. Benson. LAPSE RATE OF TEMPERATURE BETWEEN GIVEN HEIGHTS—*continued.*
Degrees absolute per kilometre. **1922.**

Kilometres.												
17 to 18	...	...	...	−2	...	...	...	...	...	...	...	...
16 to 17	...	0	...	−3	...	...	...	...	...	−1	...	...
15 to 16	...	0	...	−1	1	...	...	0	...	0	...	...
14 to 15	...	2	...	−1	1	...	...	1	...	1	...	...
13 to 14	...	0	...	0	1	...	1	1	...	3	...	...
12 to 13	...	2	...	−1	2	...	−1	3	...	−1	...	...
11 to 12	...	1	−1	3	2	...	2	1	...	3	4	0
10 to 11	...	−1	−5	7	0	...	6	0	...	6	7	−1
9 to 10	−3	−3	4	7	−4	5	7	−1	...	8	8	−3
8 to 9	7	1	9	7	5	7	8	7	3	8	9	6
7 to 8	7	8	9	6	7	5	9	8	5	7	6	8
6 to 7	5	9	6	7	9	7	9	7	5	9	7	9
5 to 6	7	7	7	5	7	7	7	6	7	7	5	9
4 to 5	7	7	7	8	8	8	7	6	7	8	7	8
3 to 4	7	7	6	5	7	3	4	7	2	5	7	8
2·5 to 3	6	2	3	3	4	7	4	4	3	3	5	8
2 to 2·5	6	6	9	2	6	8	6	5	6	5	3	3
1·5 to 2	3	8	4	2	6	6	0	2	7	5	2	−1
1 to 1·5	8	7	5	−1	7	8	−1	7	9	4	−1	6
0·5 to 1	5	8	7	7	7	9	4	9	10	−9	7	?
·06 to 0·5	5	−3	7	−2	7	−6	8	7	−2	−2	−7	?

Note.—The lapse rates are derived from the original tabulations which are generally made to the nearest half-degree and are shown to the nearest whole degree.

Abridged List of Publications issued by the Meteorological Office.*

3. Reports of Investigations in Dynamical and Statistical Meteorology and other Memoirs—*continued.*

Geophysical Memoirs (4to.)—*continued.*

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No. 24. The Distribution of Thunderstorms over the Globe. By C. E. P. Brooks, M.Sc. (No. 254*d*. 1925.) 2s. Postage 1d.

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4. Marine Meteorology, Atlases and Memoirs.

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†*Weekly Weather Report.* (4to.) From January, 1923. 9d. Postage ½d. Annual subscription, including Introduction and Guide to Tables, 40s., post free.

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* The publication of geophysical data (terrestrial magnetism, atmospheric electricity, seismology, and solar radiation) for the Observatories at Richmond (Kew Observatory), Eskdalemuir, Falmouth, and Cahirciveen (Valencia), began in Parts III and IV of the Year Book as from Jan. 1911. The title of the publication from 1908 to 1910 was "The British Meteorological Year Book." † The publication of the Weekly Weather Report began in February, 1878. ‡ The publication of the Monthly Weather Report began in 1864. From 1888 to 1921 it was published as a Supplement to the Weekly Weather Report. § From 1922 the Geophysical Journal and Hourly Values, Geophysical Section, are incorporated in "The Observatories' Year Book."

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